

# ***A P P E N D I X F***

## ***Calibration and Validation***

## 1 GENERAL

This Appendix displays all results used during the model calibration and validation phase.

Table 1 contains a list of data files, plot files and other templates that were used during model calibration and validation.

## 2 REGIONAL MODEL

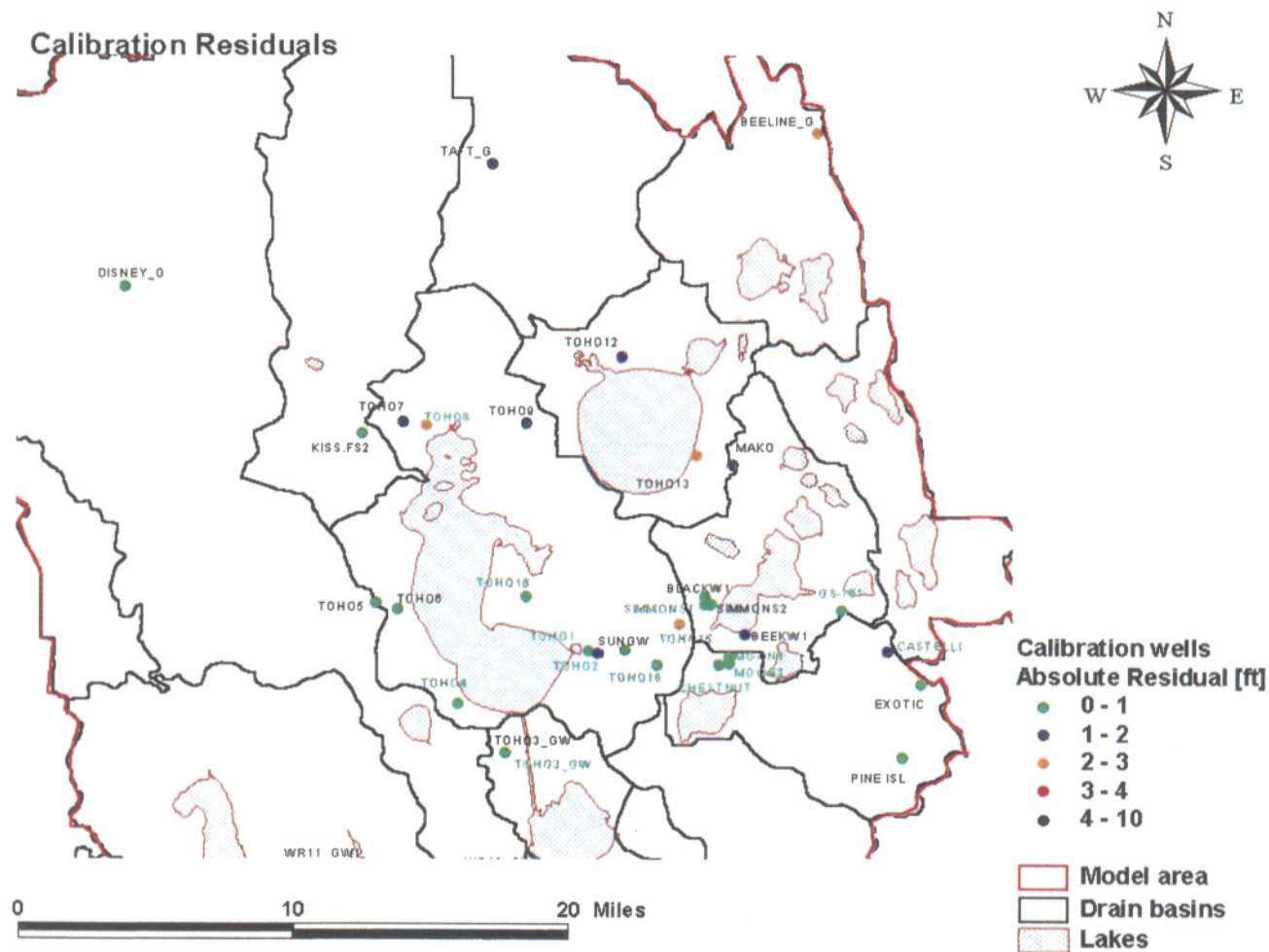


Figure 2-1 Index Map with Location of Wells used in the Model Calibration and Absolute Mean Residuals for all calibration wells.

## 2.1 Model Calibration

### 2.1.1 Groundwater

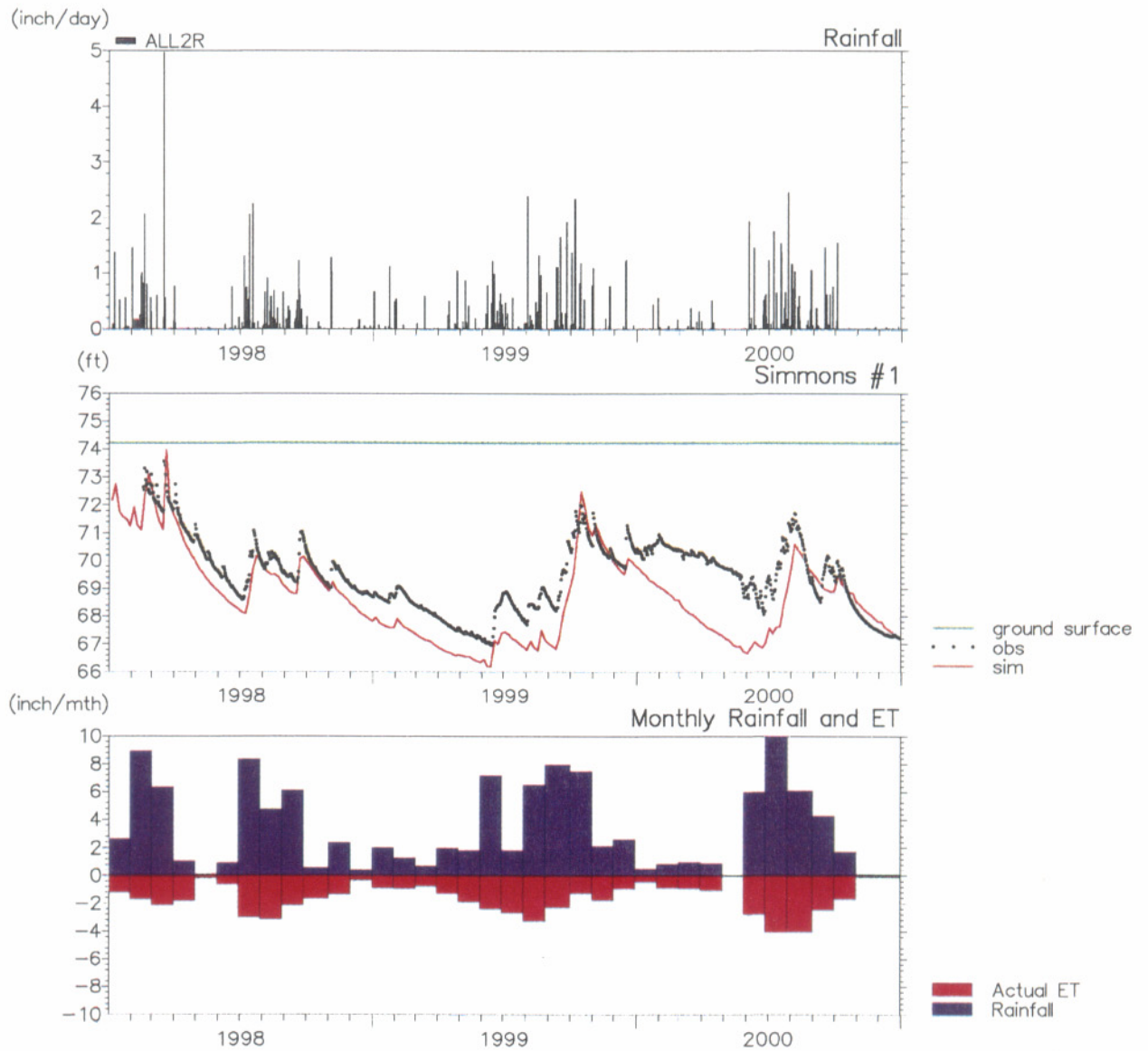


Figure 2-2 Simulated and Observed Groundwater Level at Simmons #1

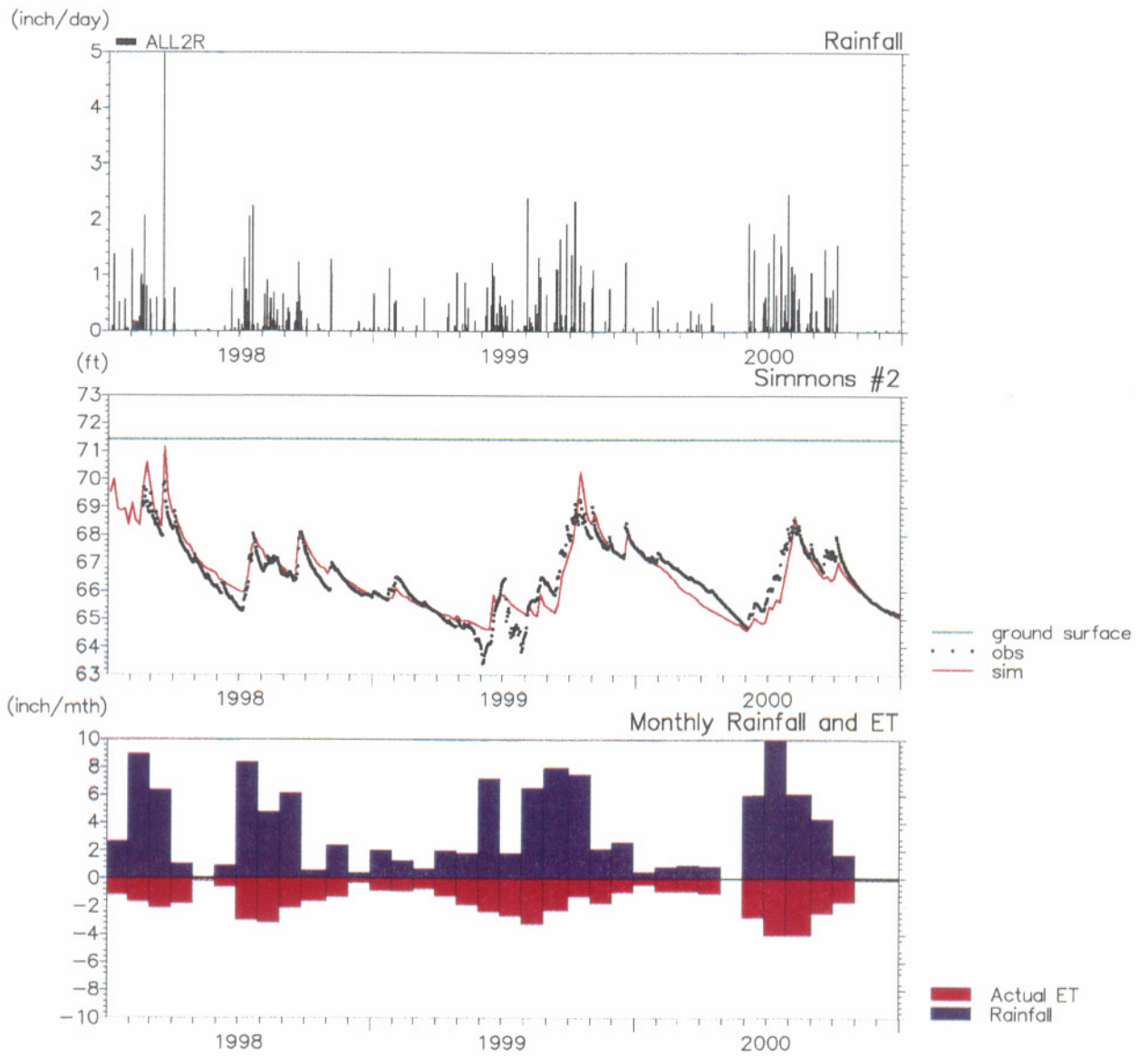


Figure 2-3 Simulated and Observed Groundwater Level at Simmons #2

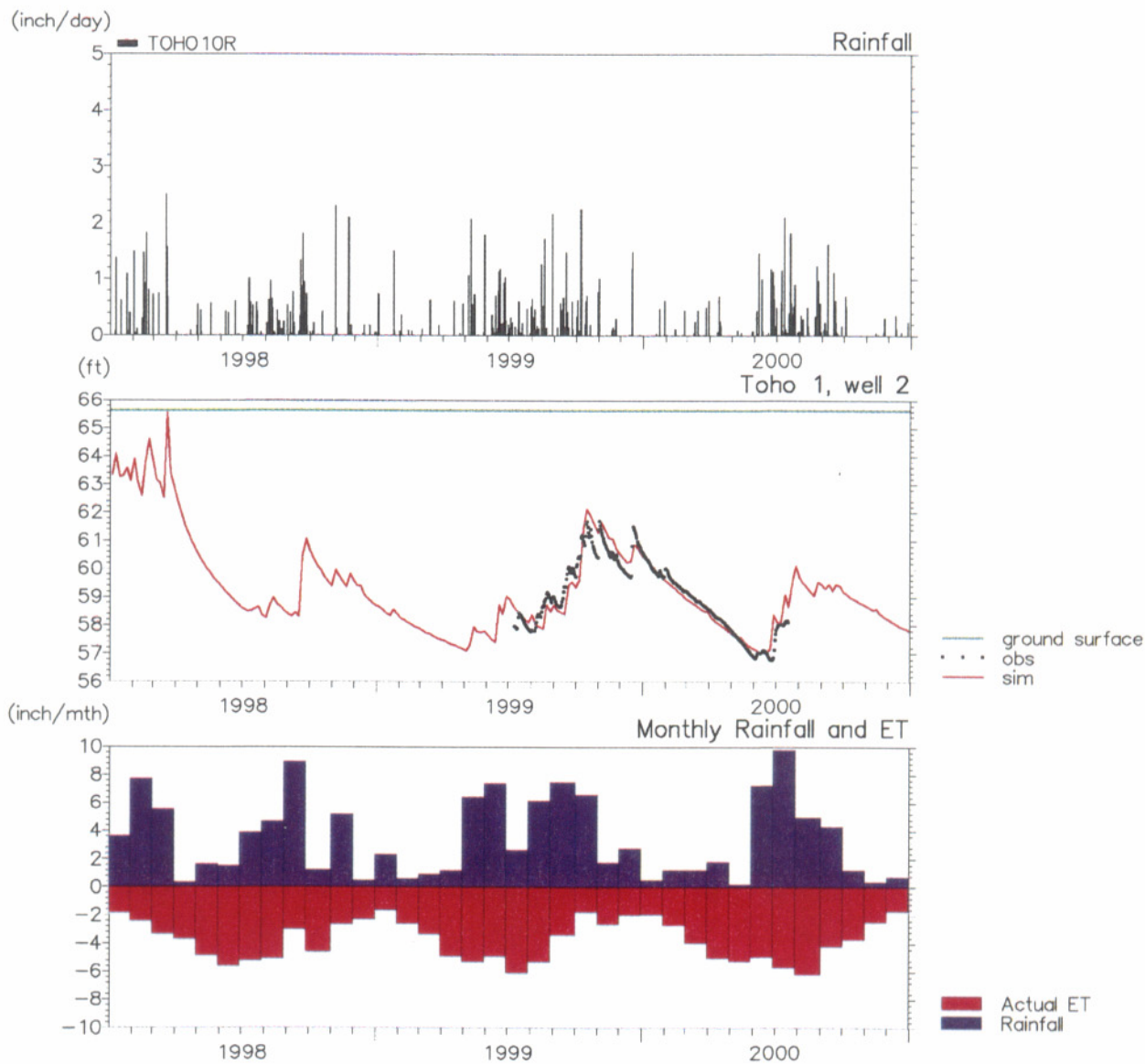


Figure 2-4 Simulated and Observed Groundwater Level at Toho 1-2

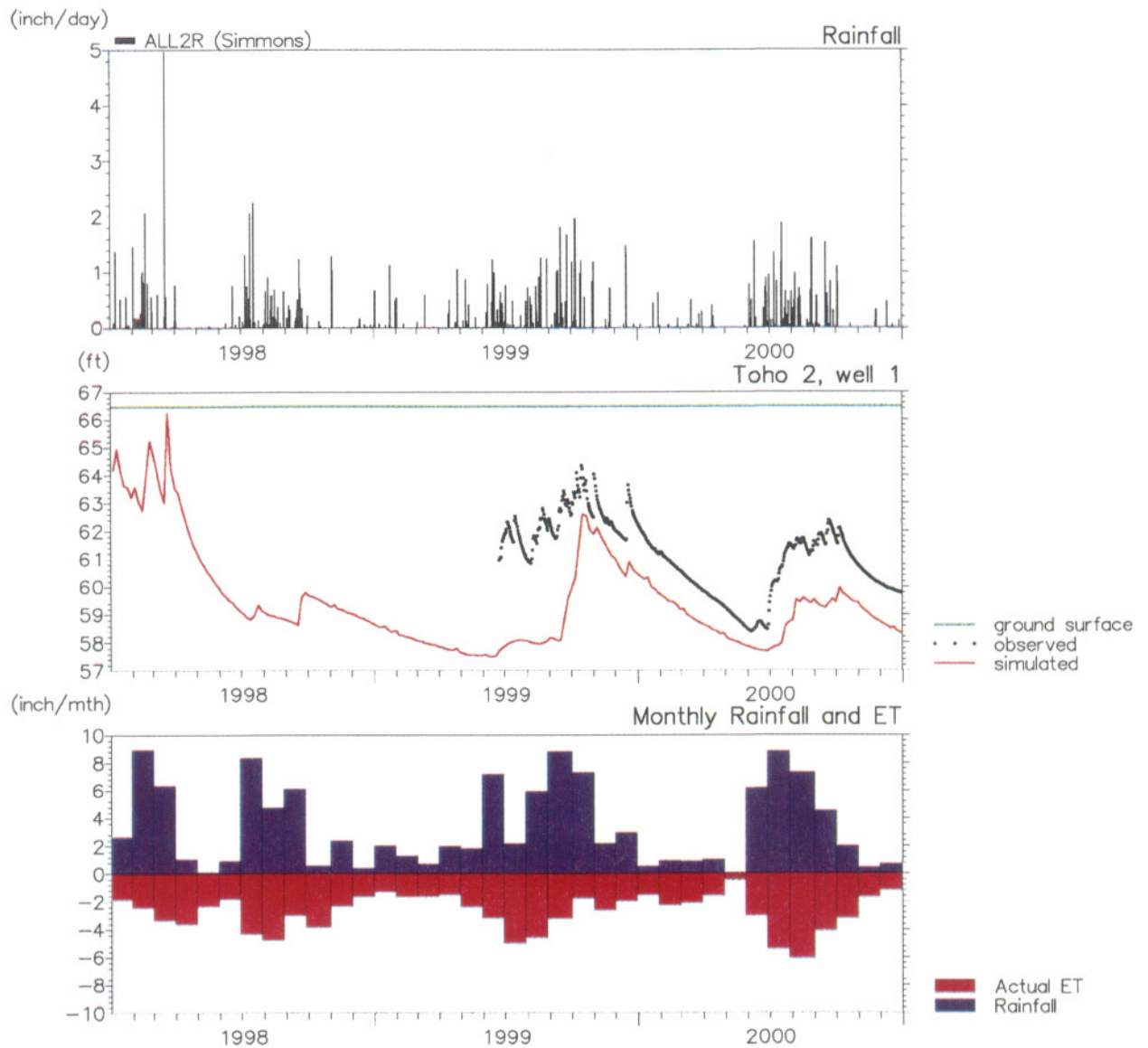


Figure 2-5 Simulated and Observed Groundwater Level at Toho 2

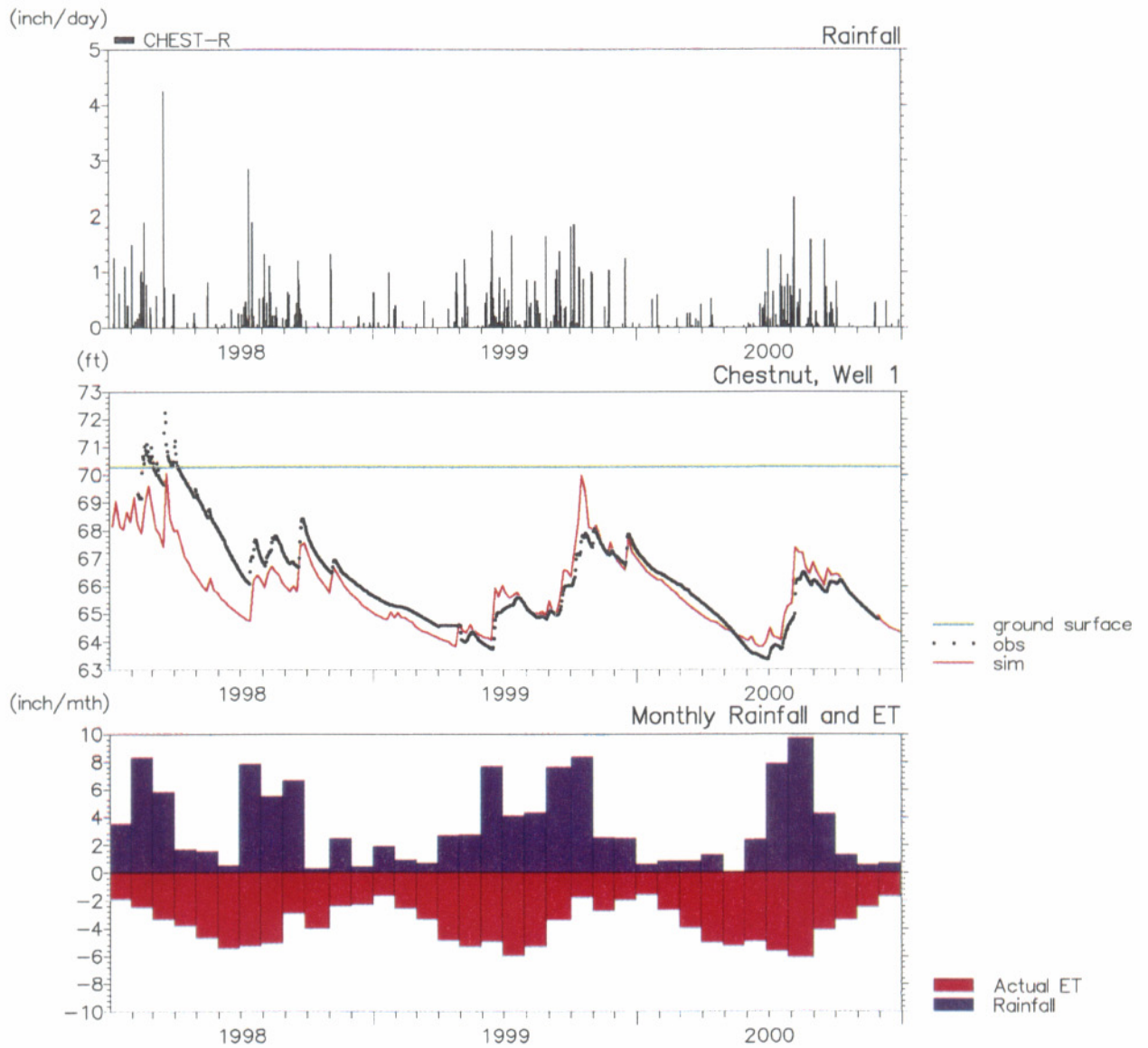


Figure 2-6 Simulated and Observed Groundwater Level at Chestnut #1

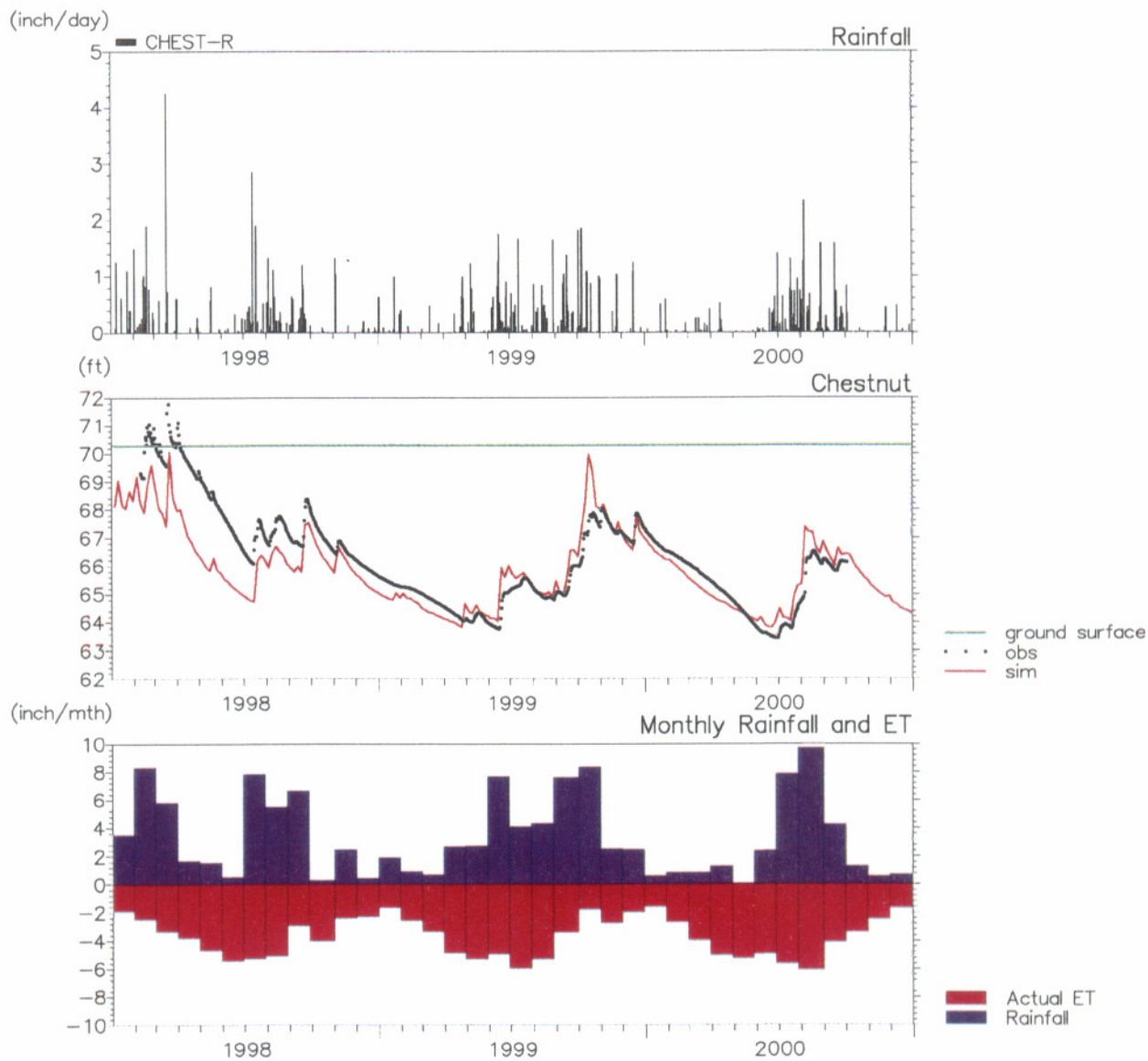


Figure 2-7 Simulated and Observed Groundwater Level at Chestnut #2

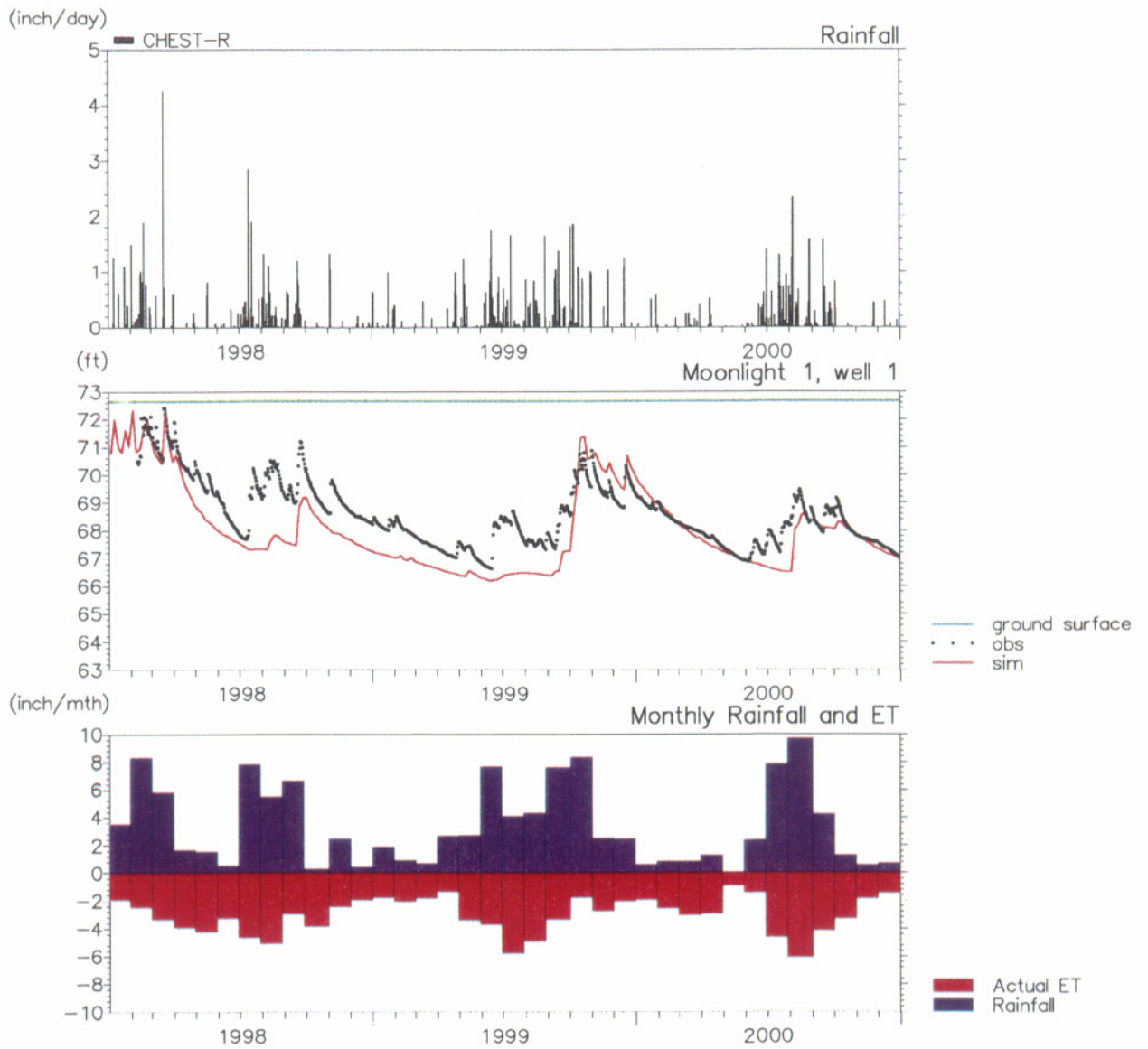


Figure 2-8 Simulated and Observed Groundwater Level at Moonlight #1

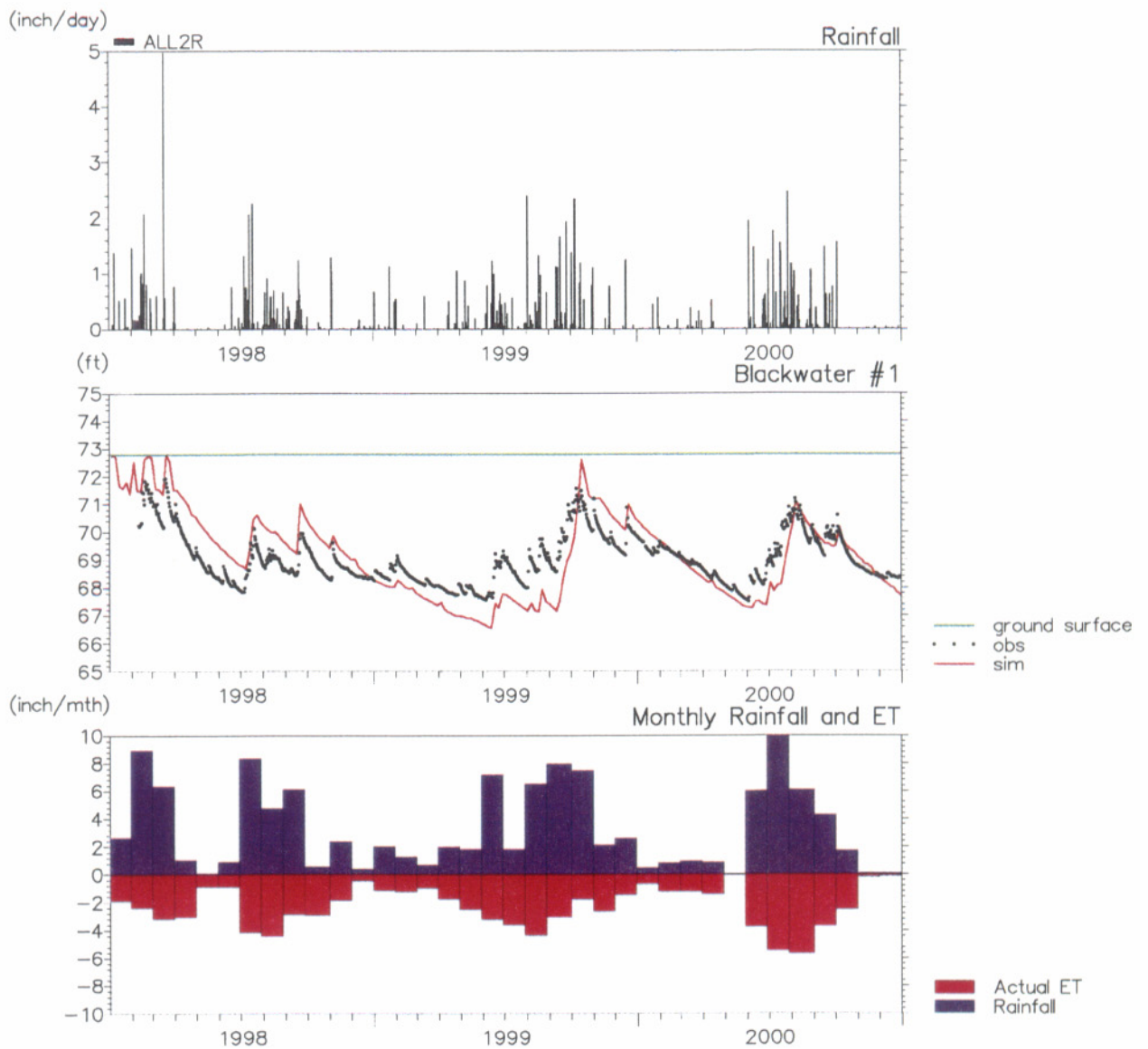


Figure 2-9 Simulated and Observed Groundwater Level at Blackwater

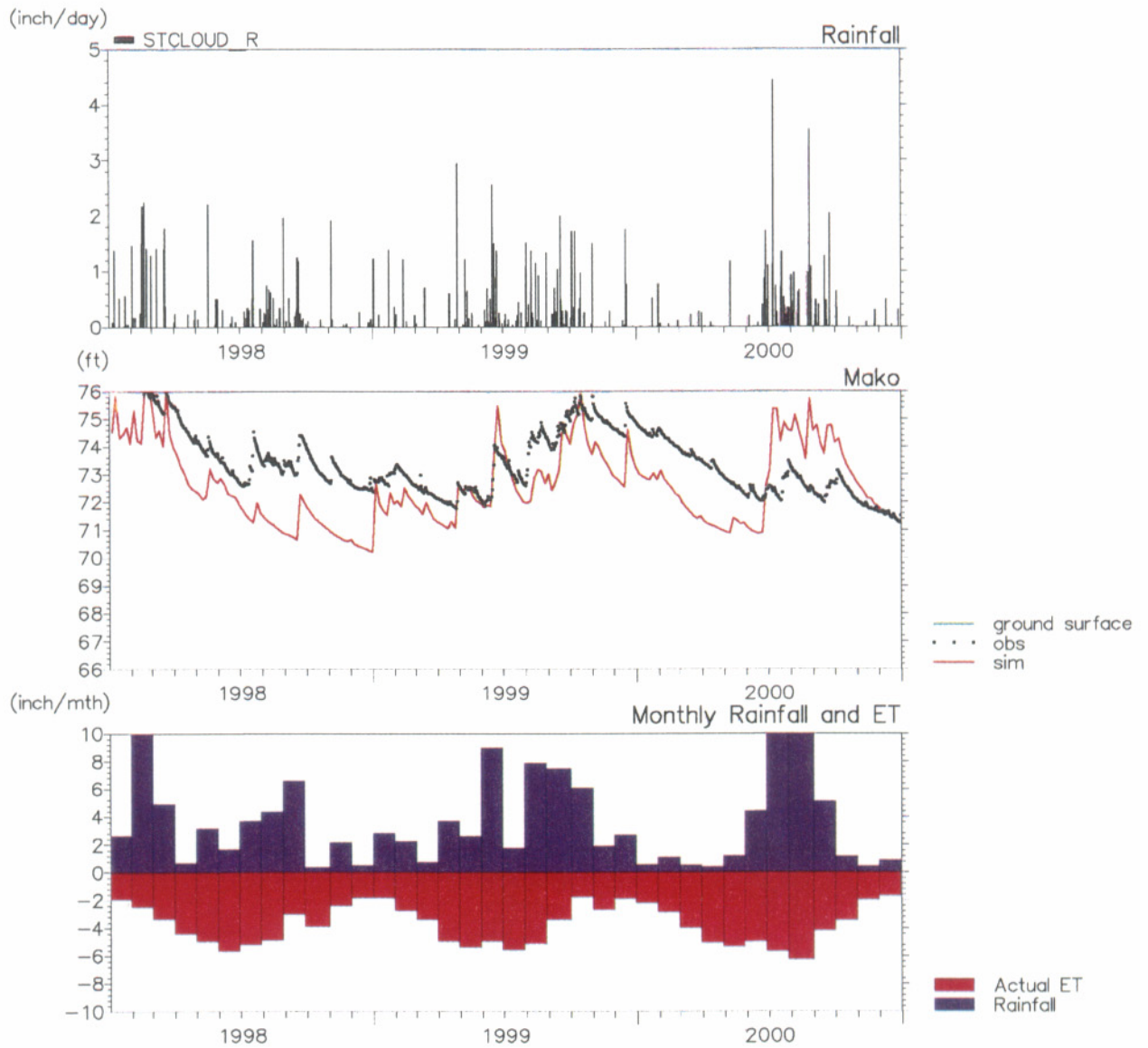


Figure 2-10 Simulated and Observed Groundwater Level at Mako (wrong graphics file – new Mako file is coming up ASAP)

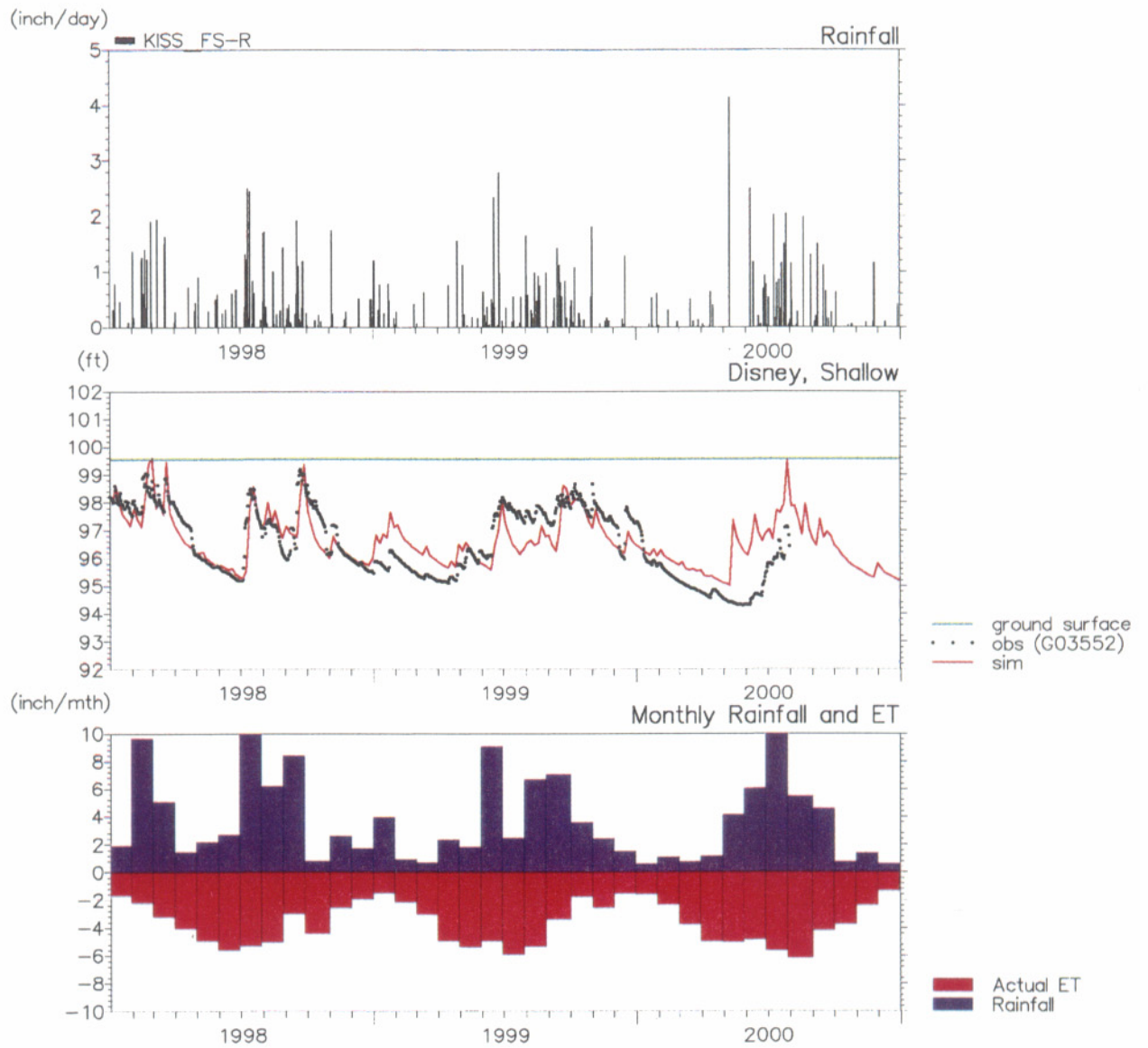


Figure 2-11 Simulated and Observed Groundwater Level at Disney

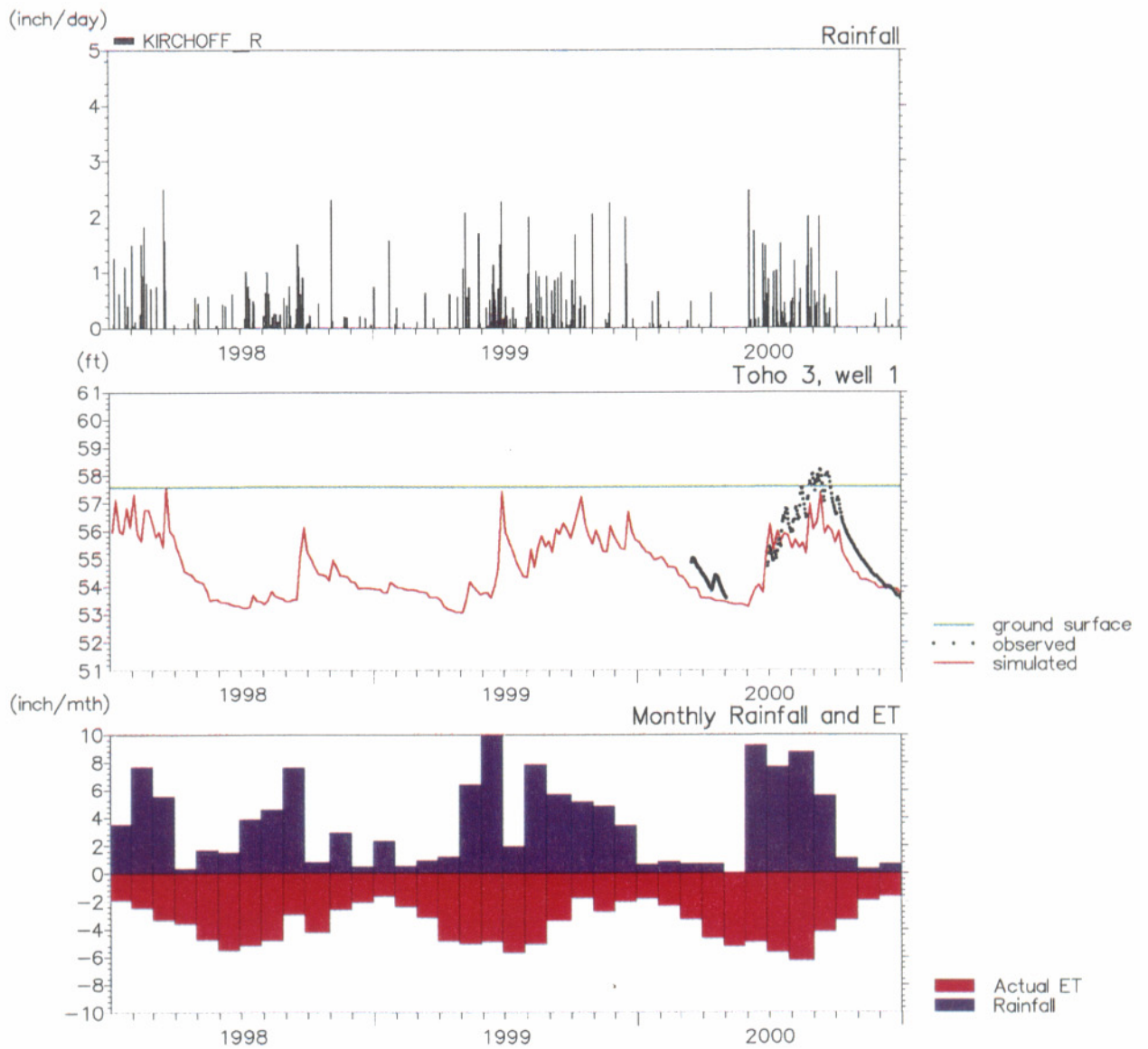


Figure 2-12 Simulated and Observed Groundwater Level at Toho 3

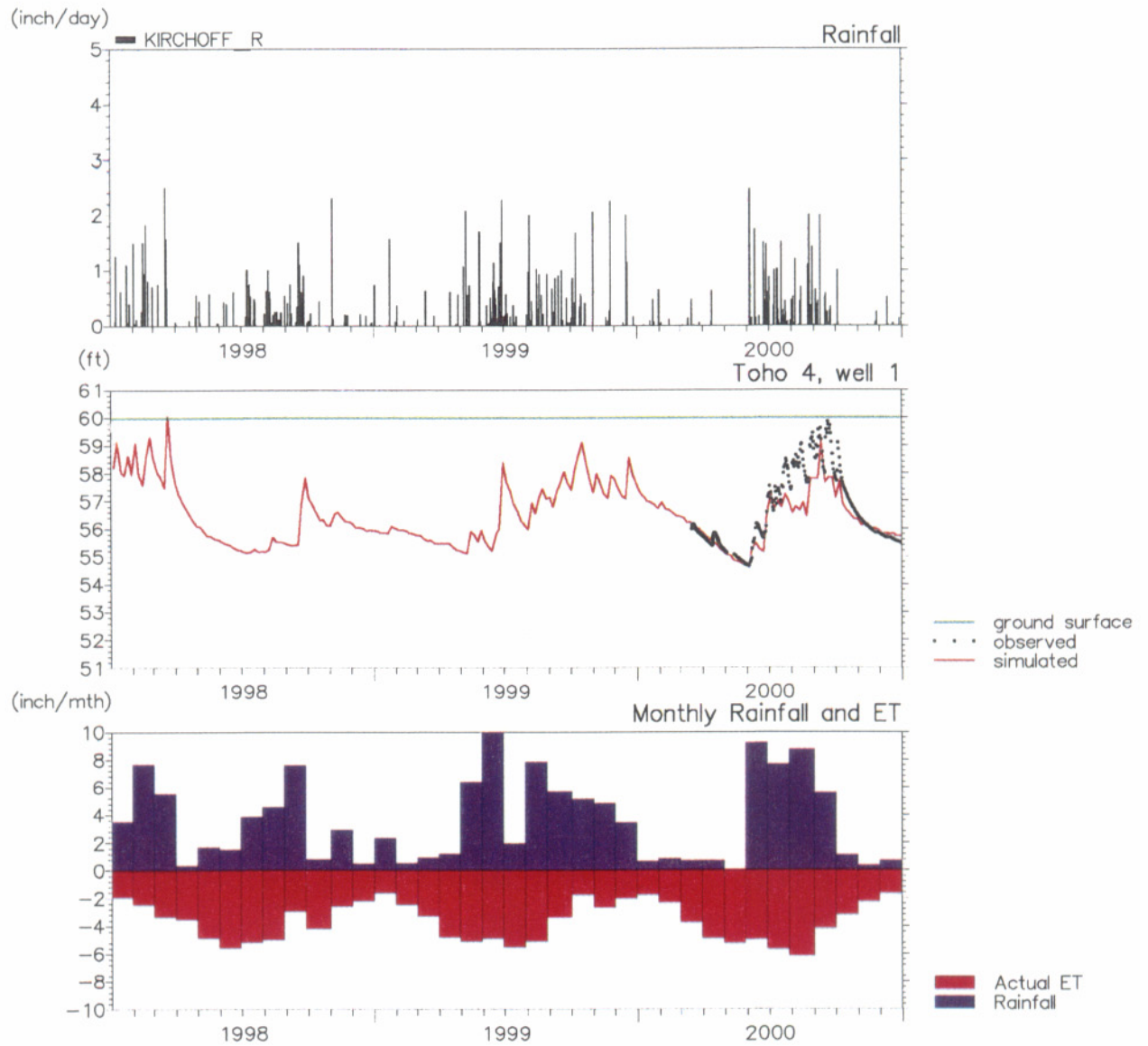


Figure 2-13 Simulated and Observed Groundwater Level at Toho 4

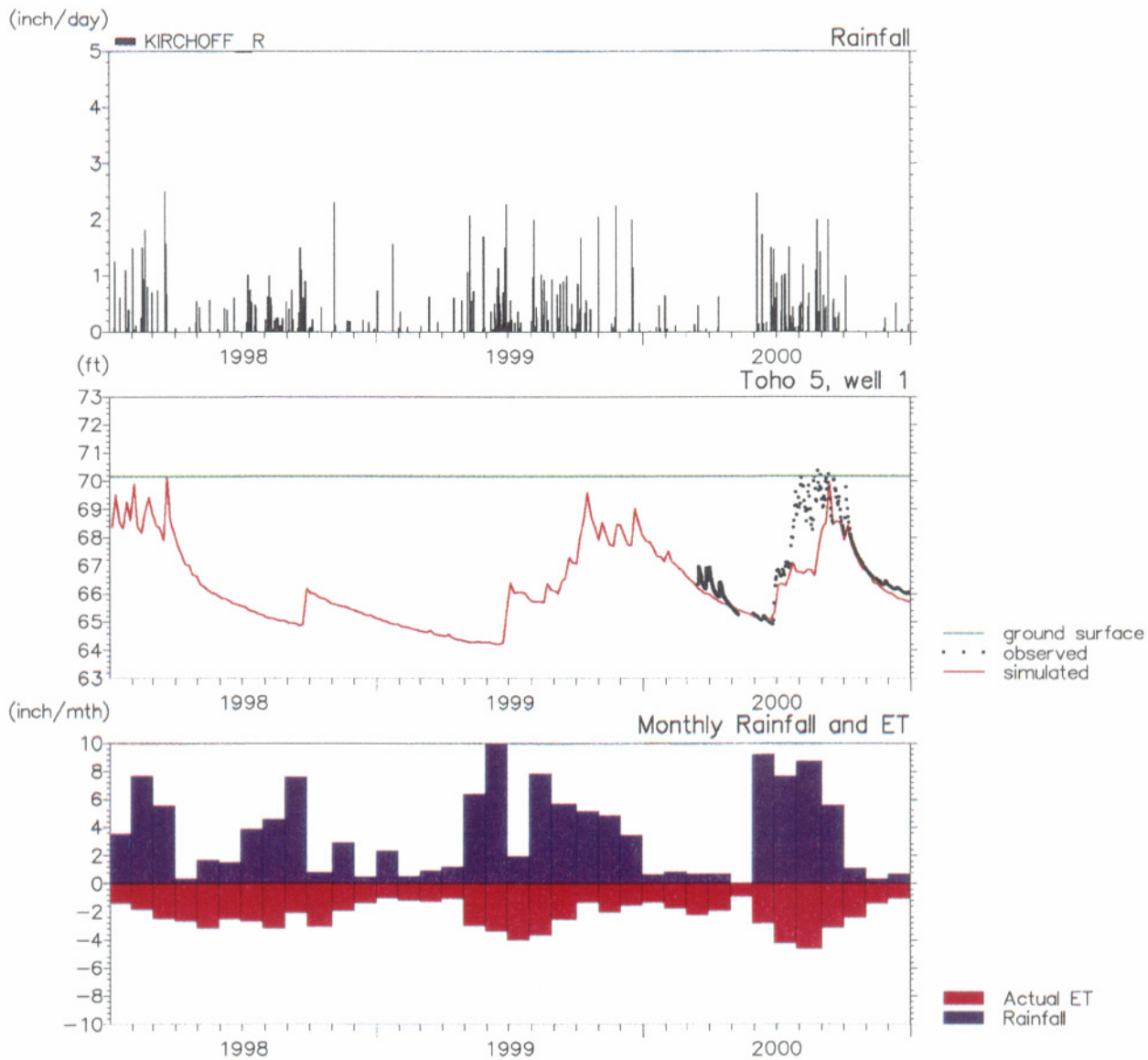


Figure 2-14 Simulated and Observed Groundwater Level at Toho 5

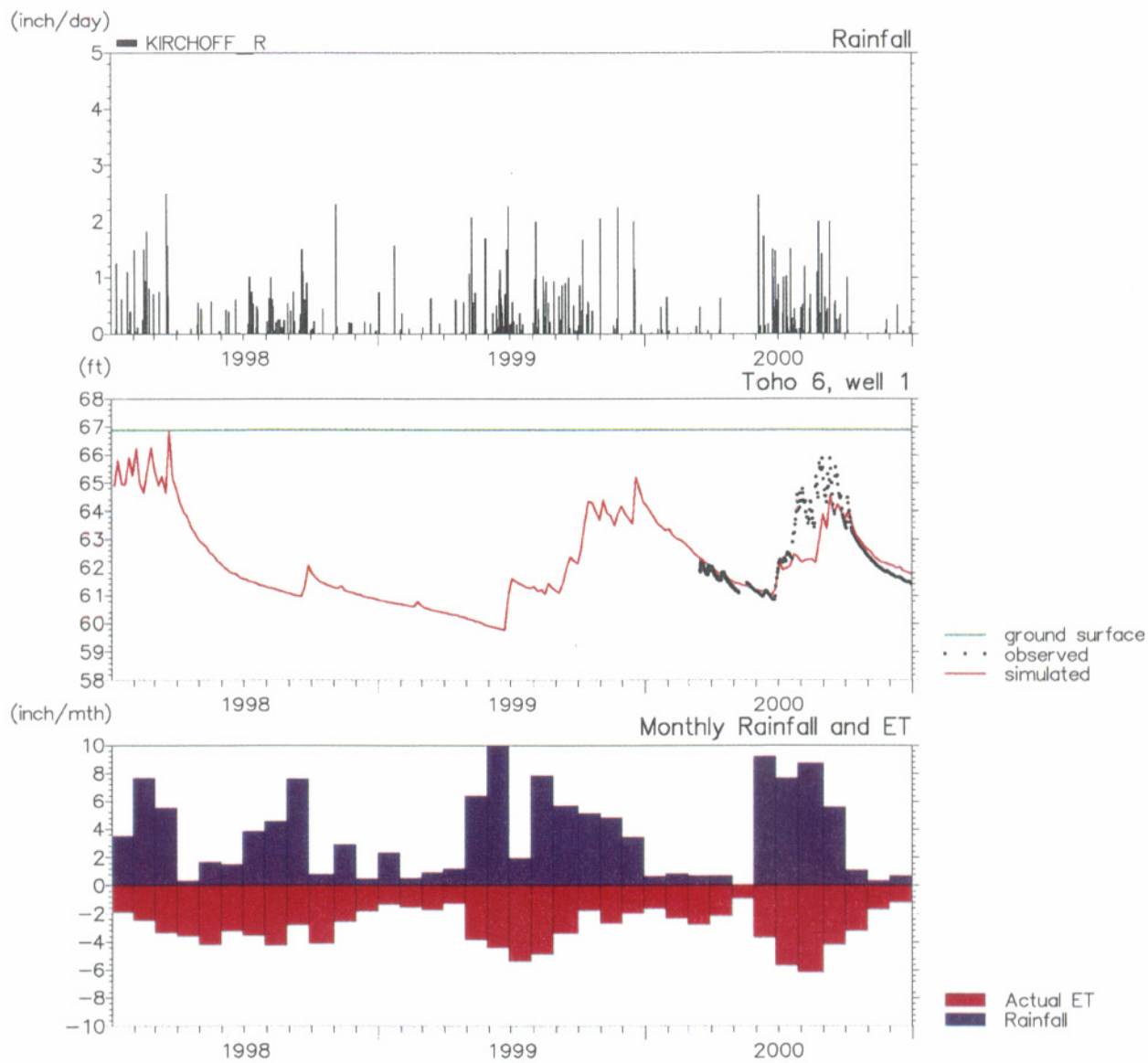


Figure 2-15 Simulated and Observed Groundwater Level at Toho 6

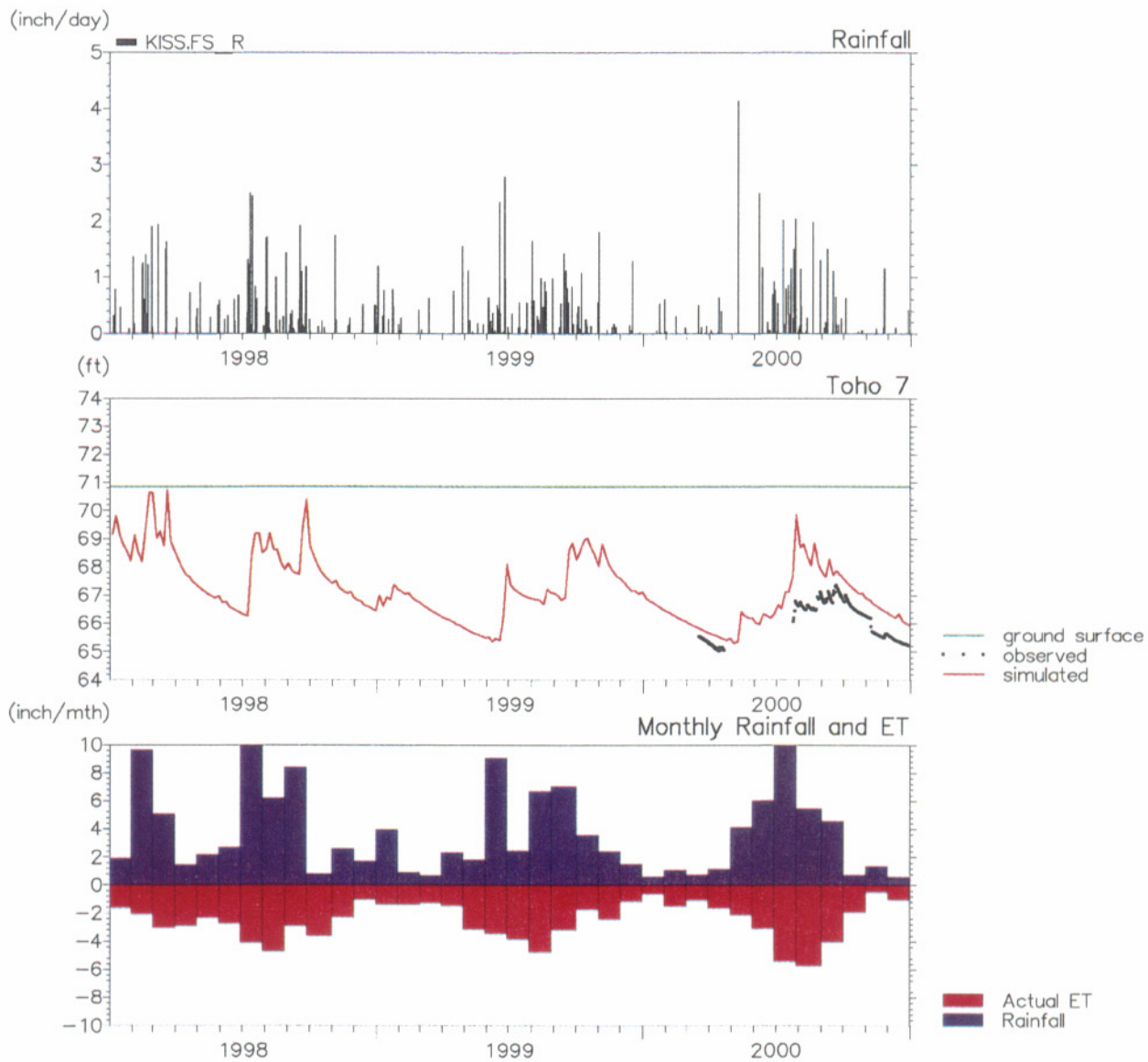


Figure 2-16 Simulated and Observed Groundwater Level at Toho 7

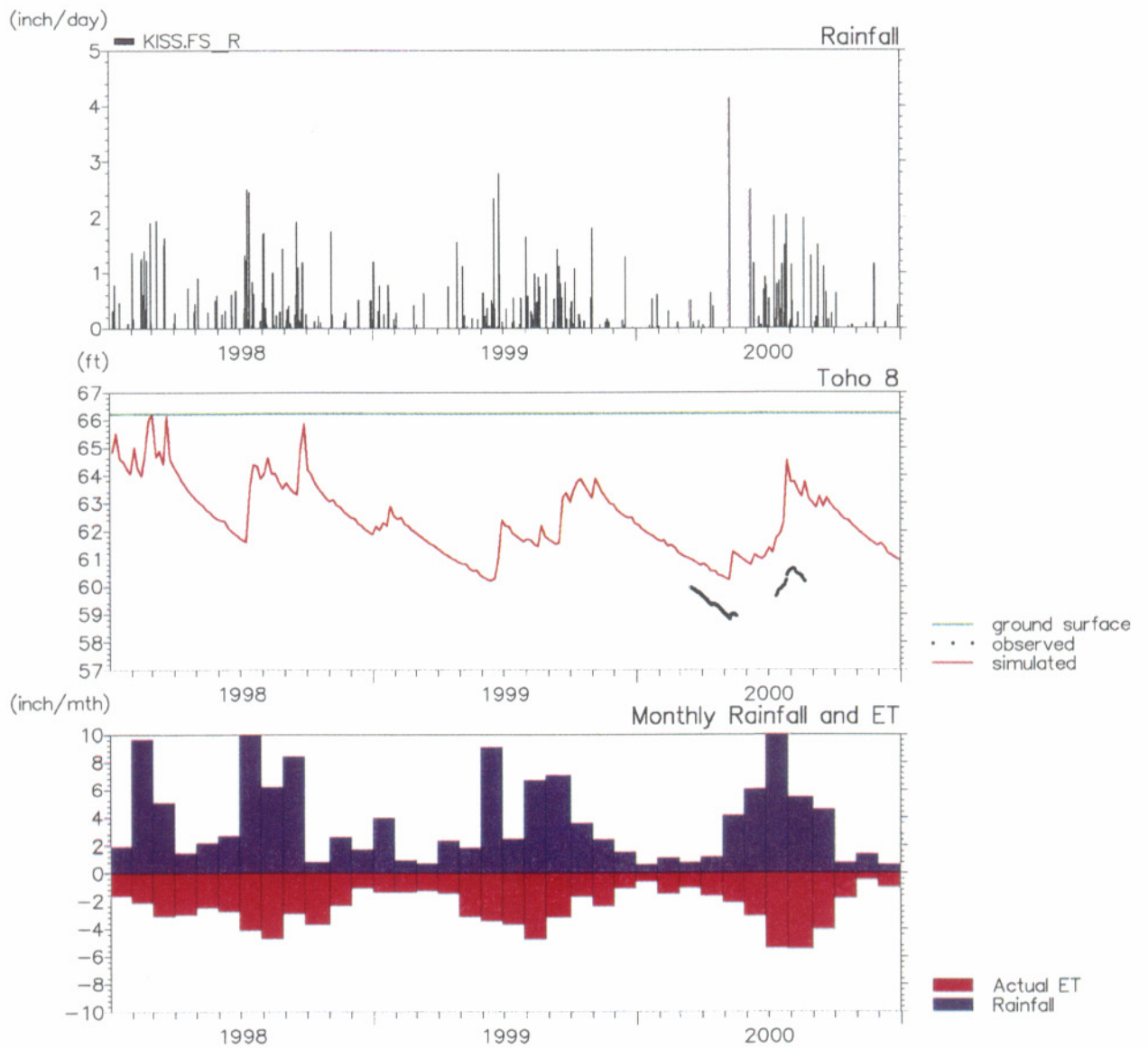


Figure 2-17 Simulated and Observed Groundwater Level at Toho 8

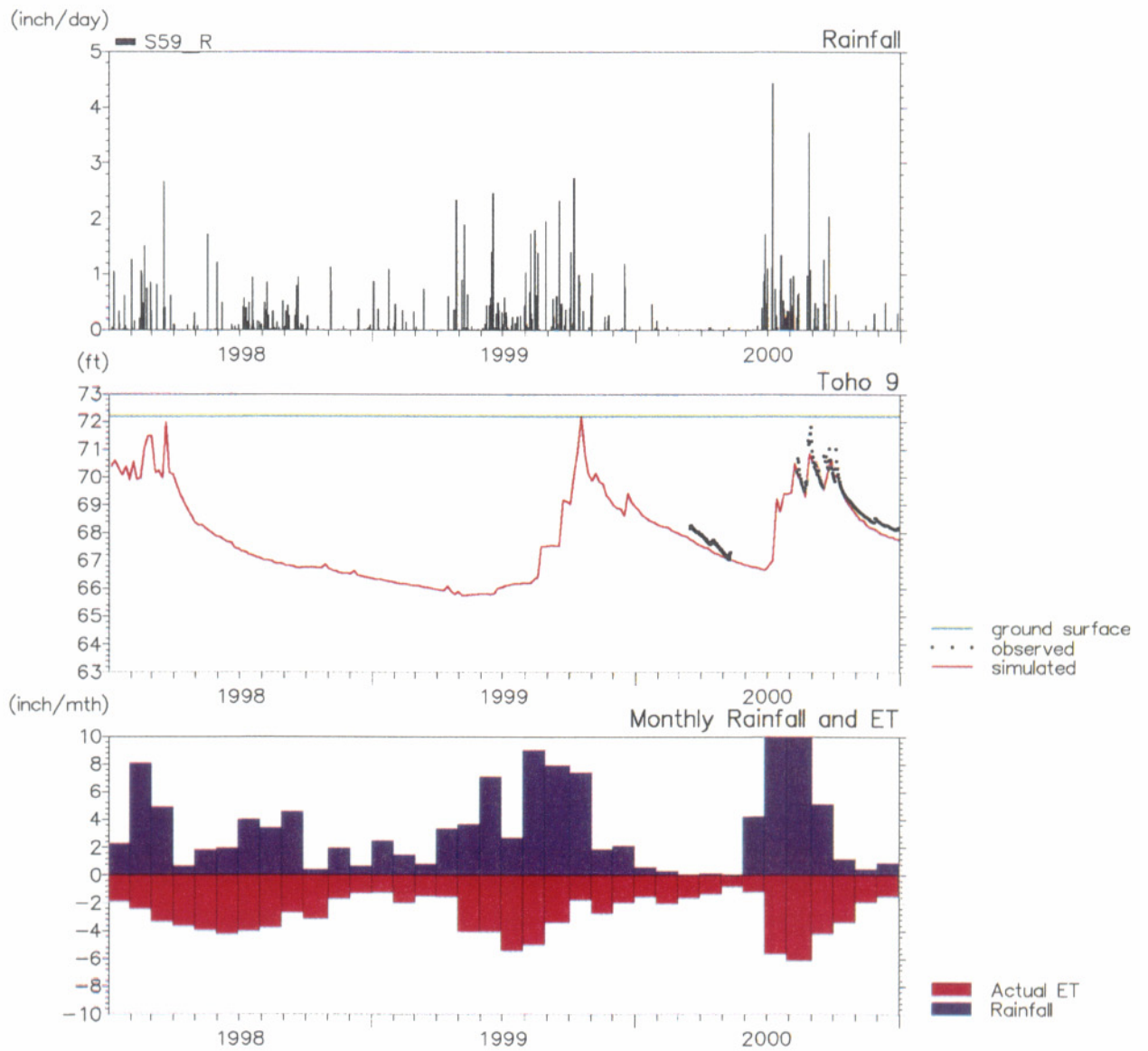


Figure 2-18 Simulated and Observed Groundwater Level at Toho 9

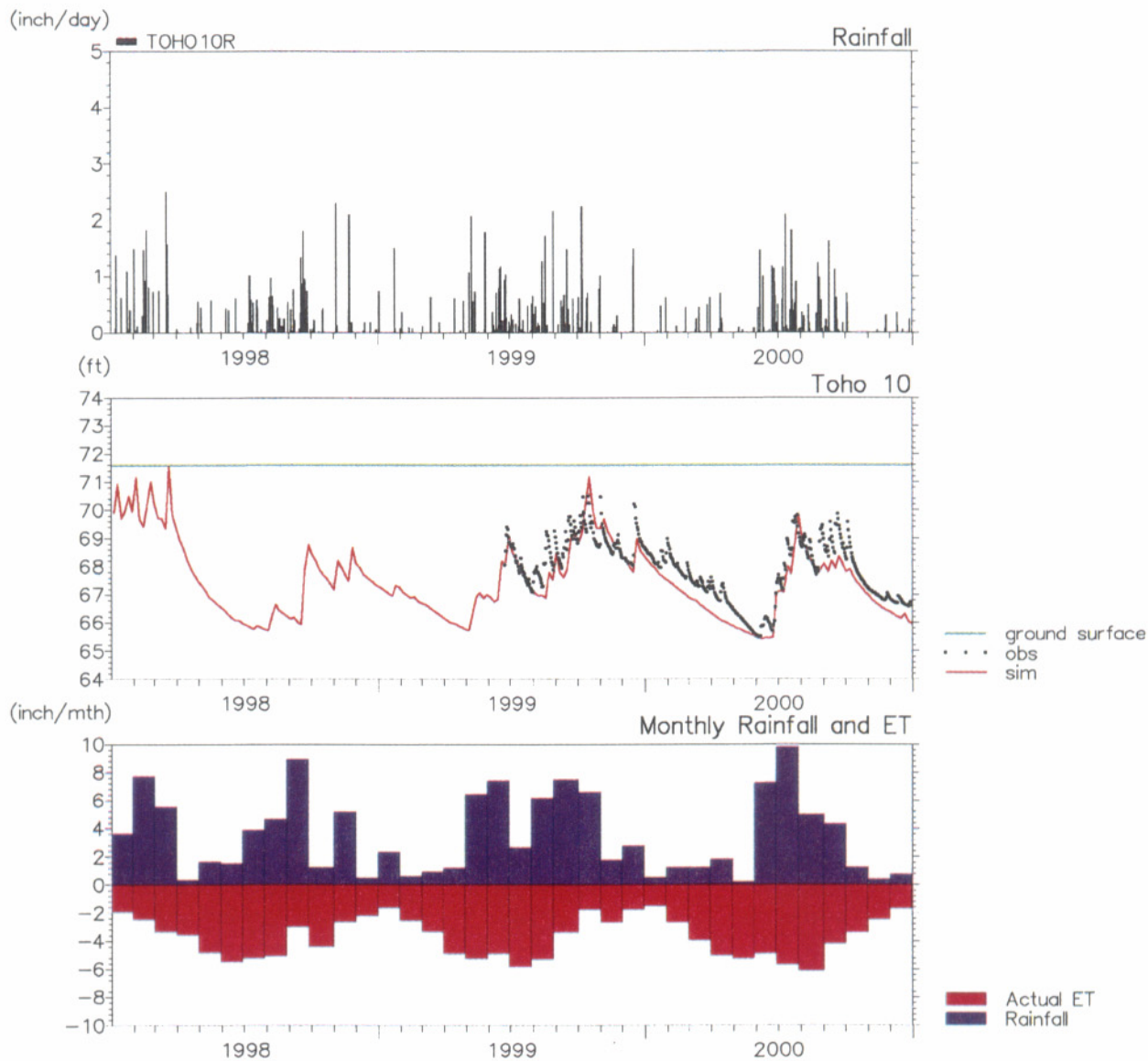


Figure 2-19 Simulated and Observed Groundwater Level at Toho 10

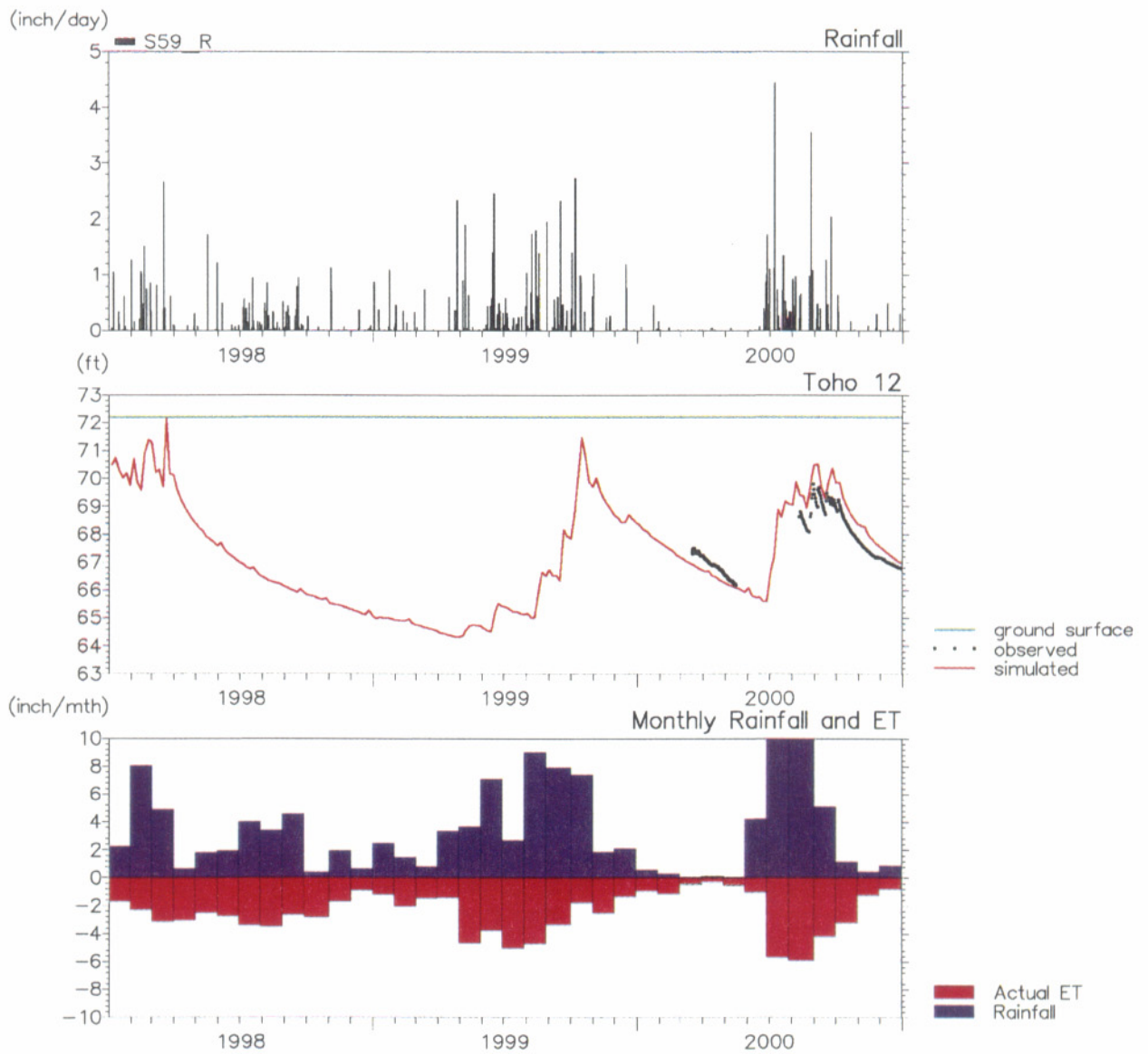


Figure 2-20 Simulated and Observed Groundwater Level at Toho 12

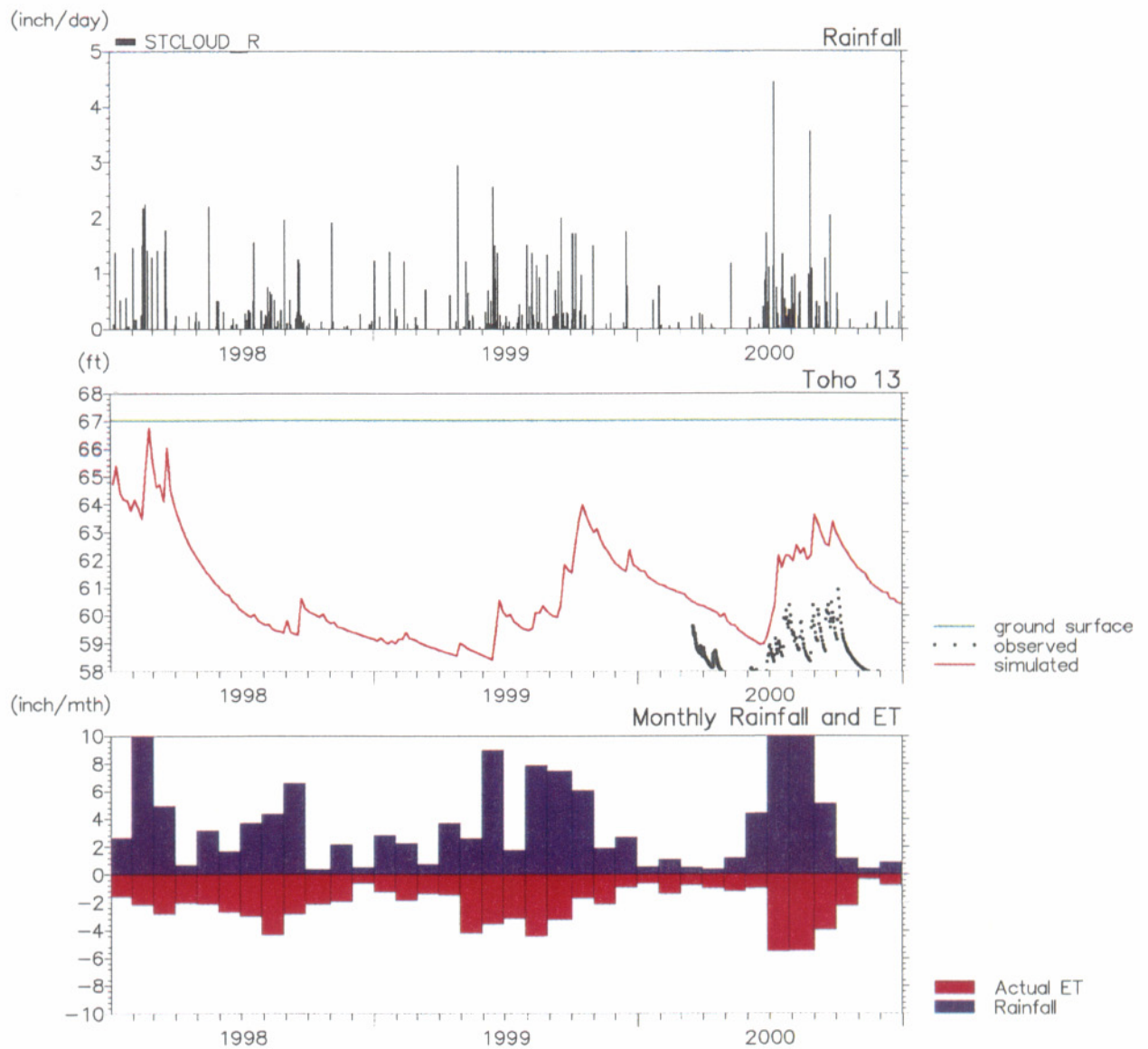


Figure 2-21 Simulated and Observed Groundwater Level at Toho 13

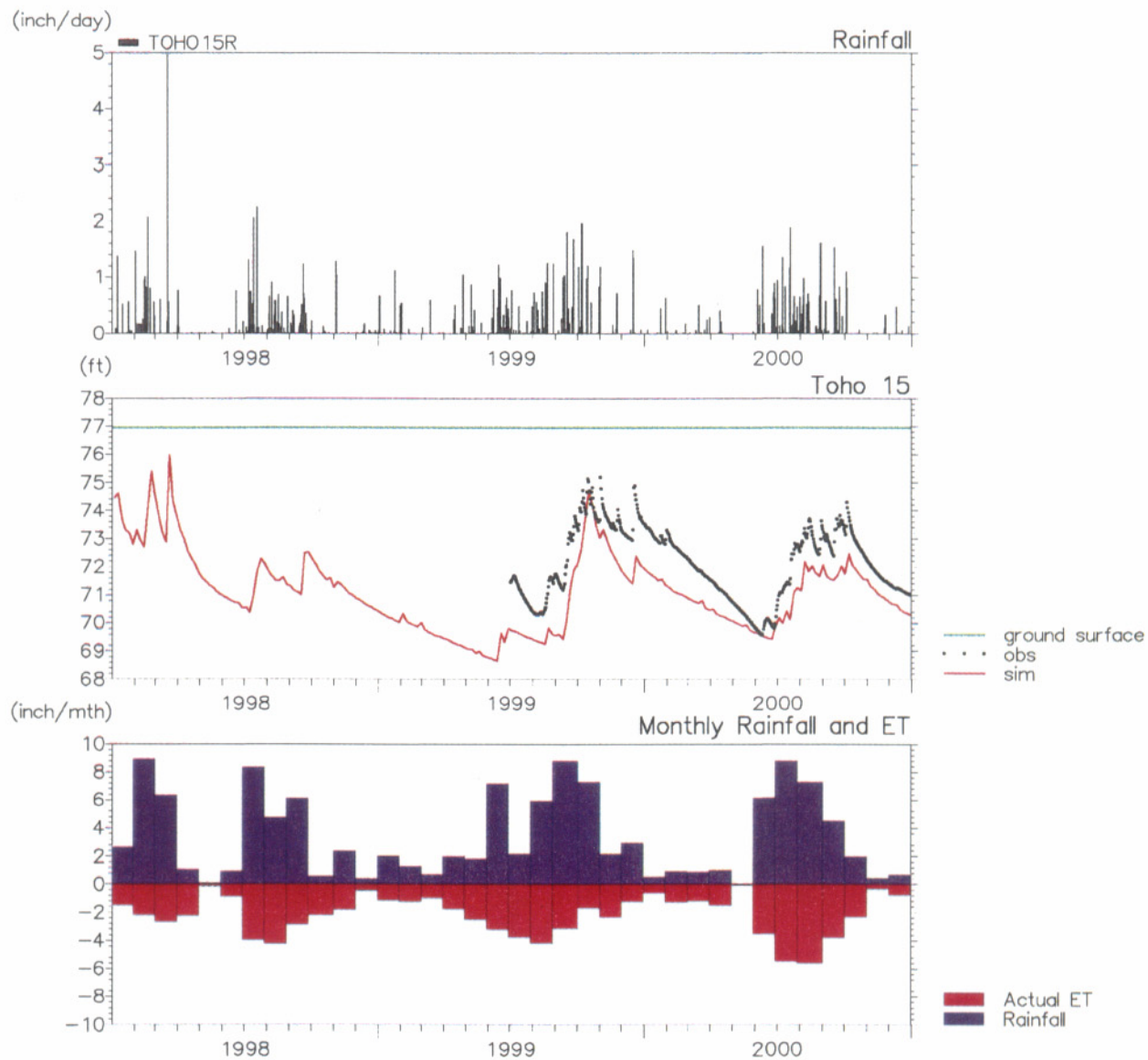


Figure 2-22 Simulated and Observed Groundwater Level at Toho 15

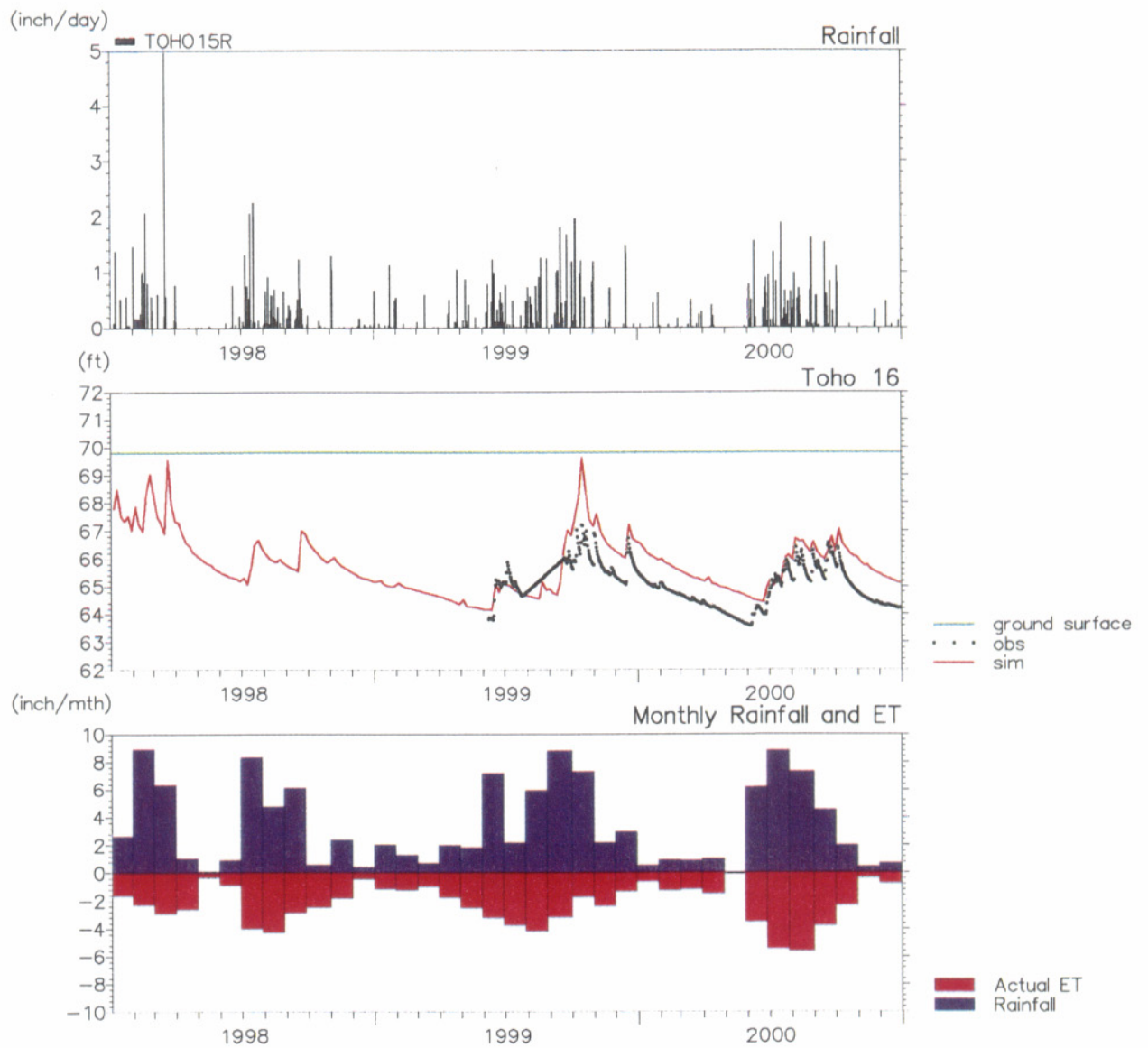


Figure 2-23 Simulated and Observed Groundwater Level at Toho 16

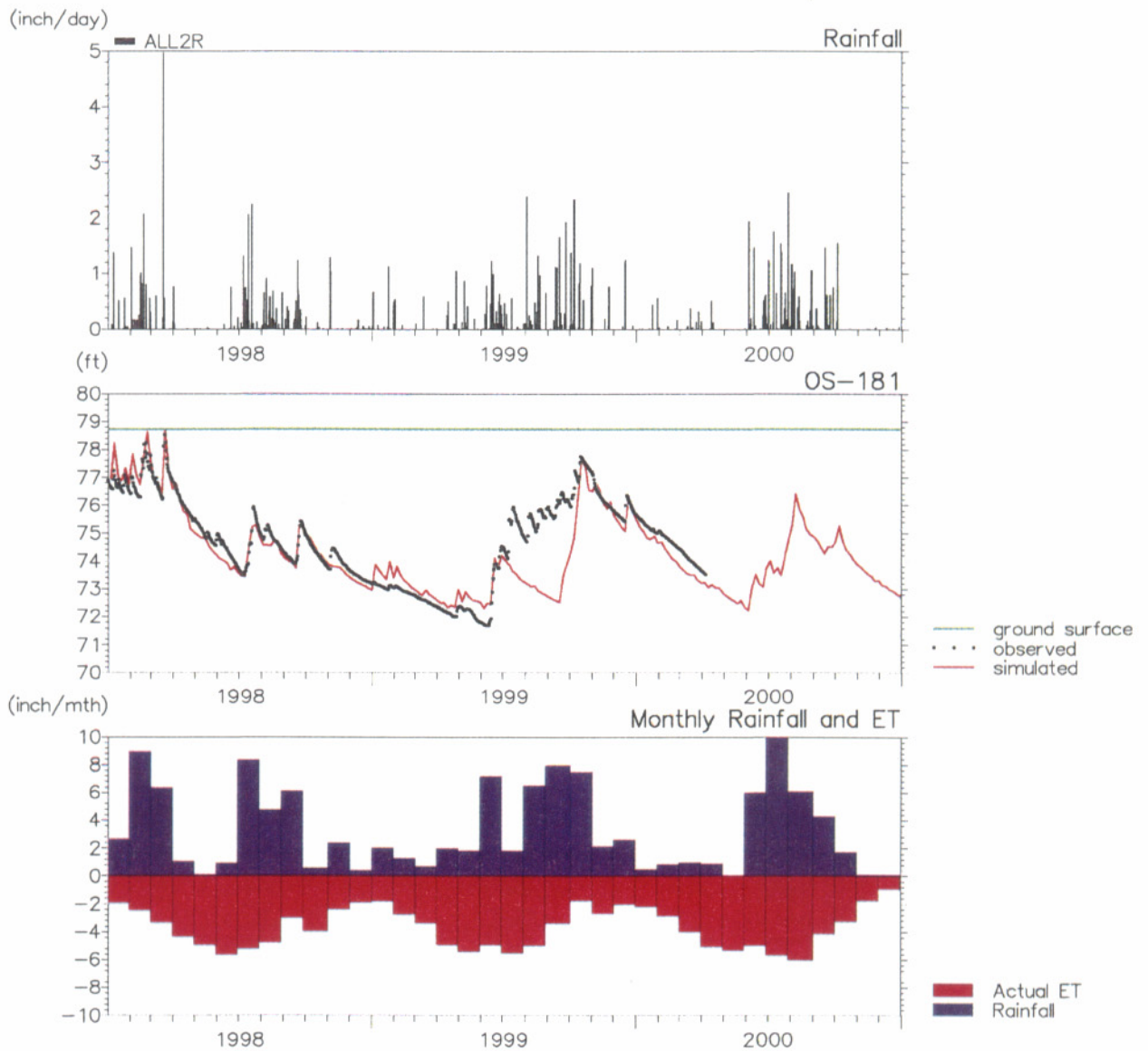


Figure 2-24 Simulated and Observed Groundwater Level at OS-181

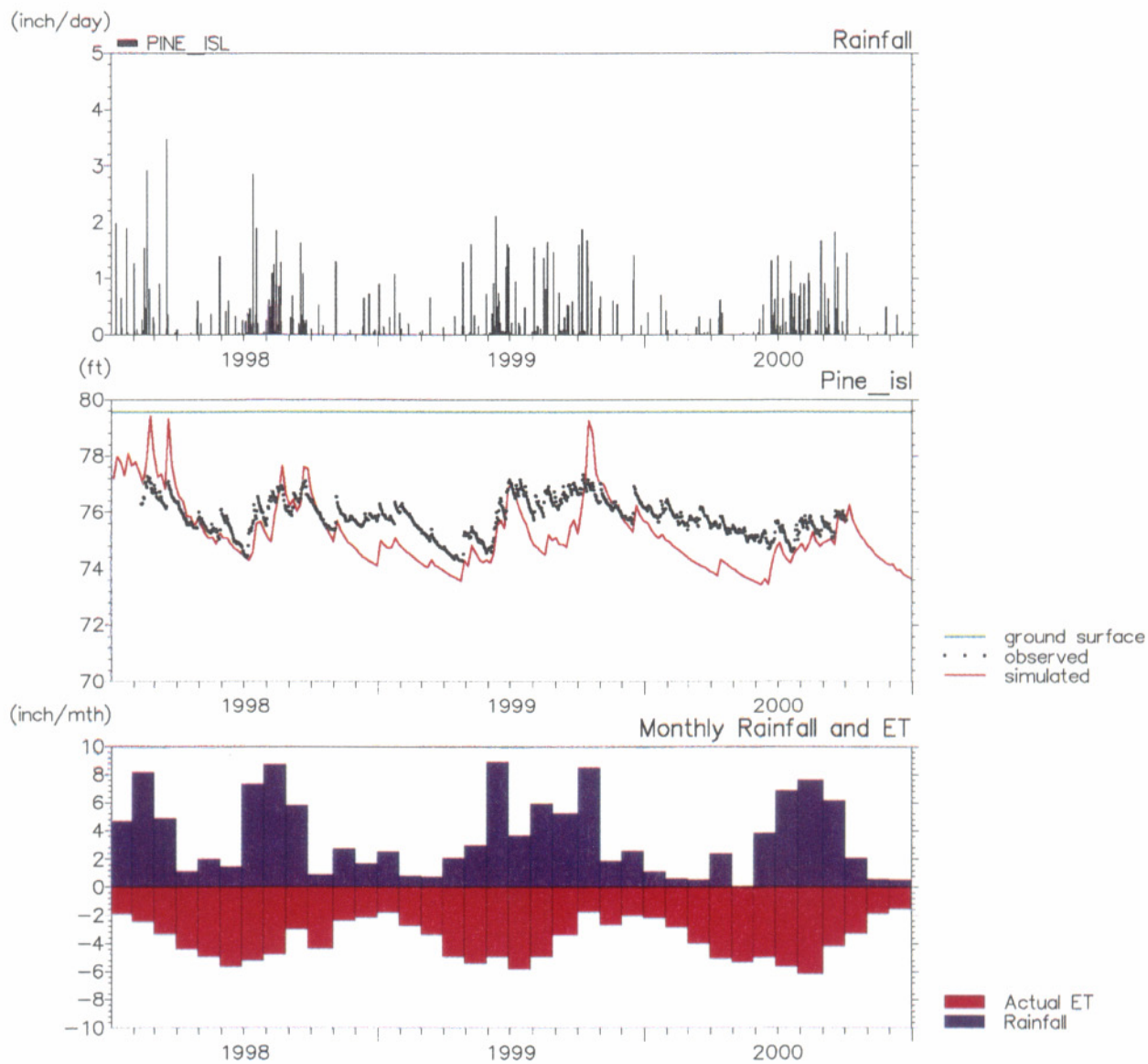


Figure 2-25 Simulated and Observed Groundwater Level at Pine-Island

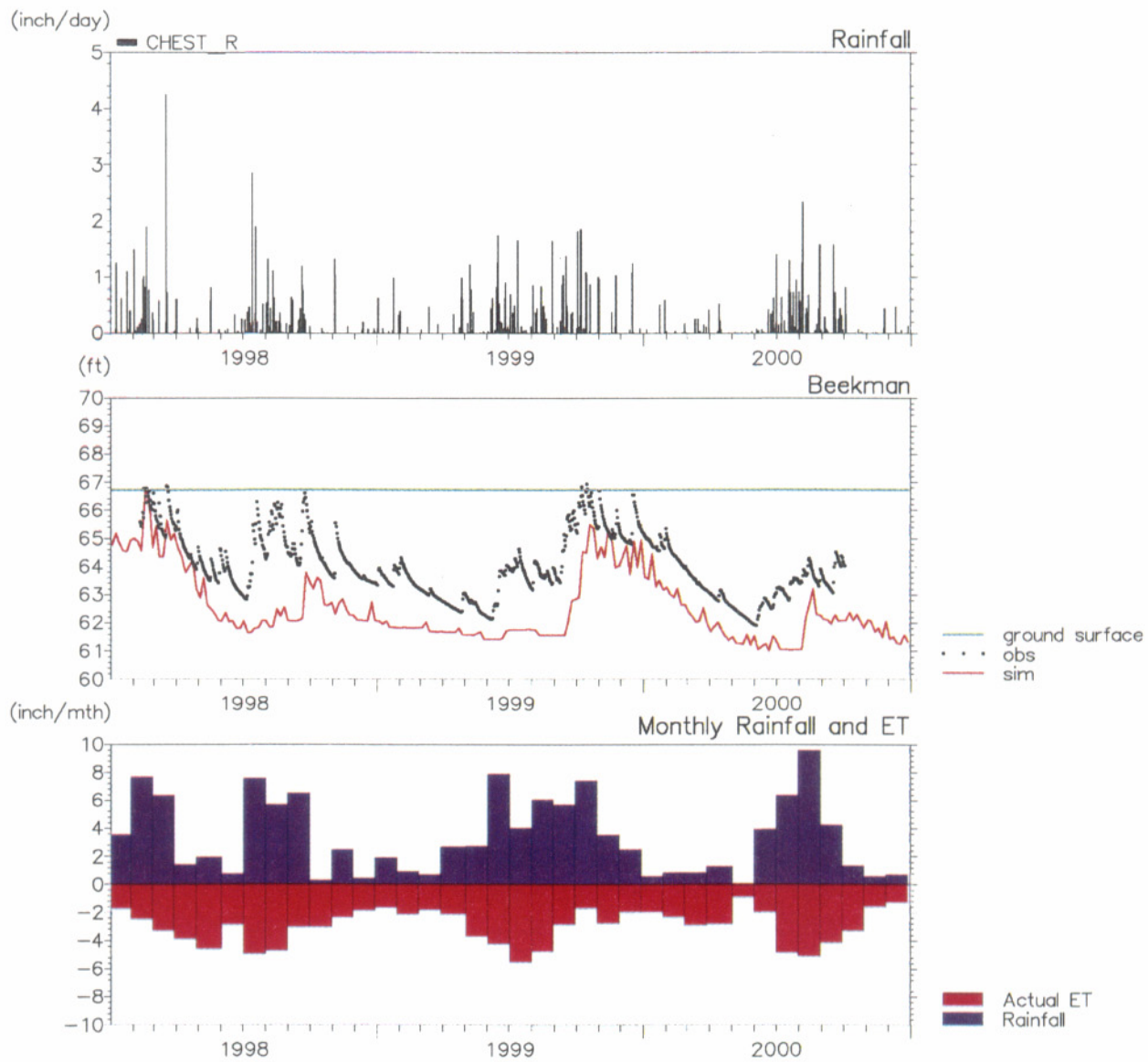


Figure 2-26 Simulated and Observed Groundwater Level at Beekman

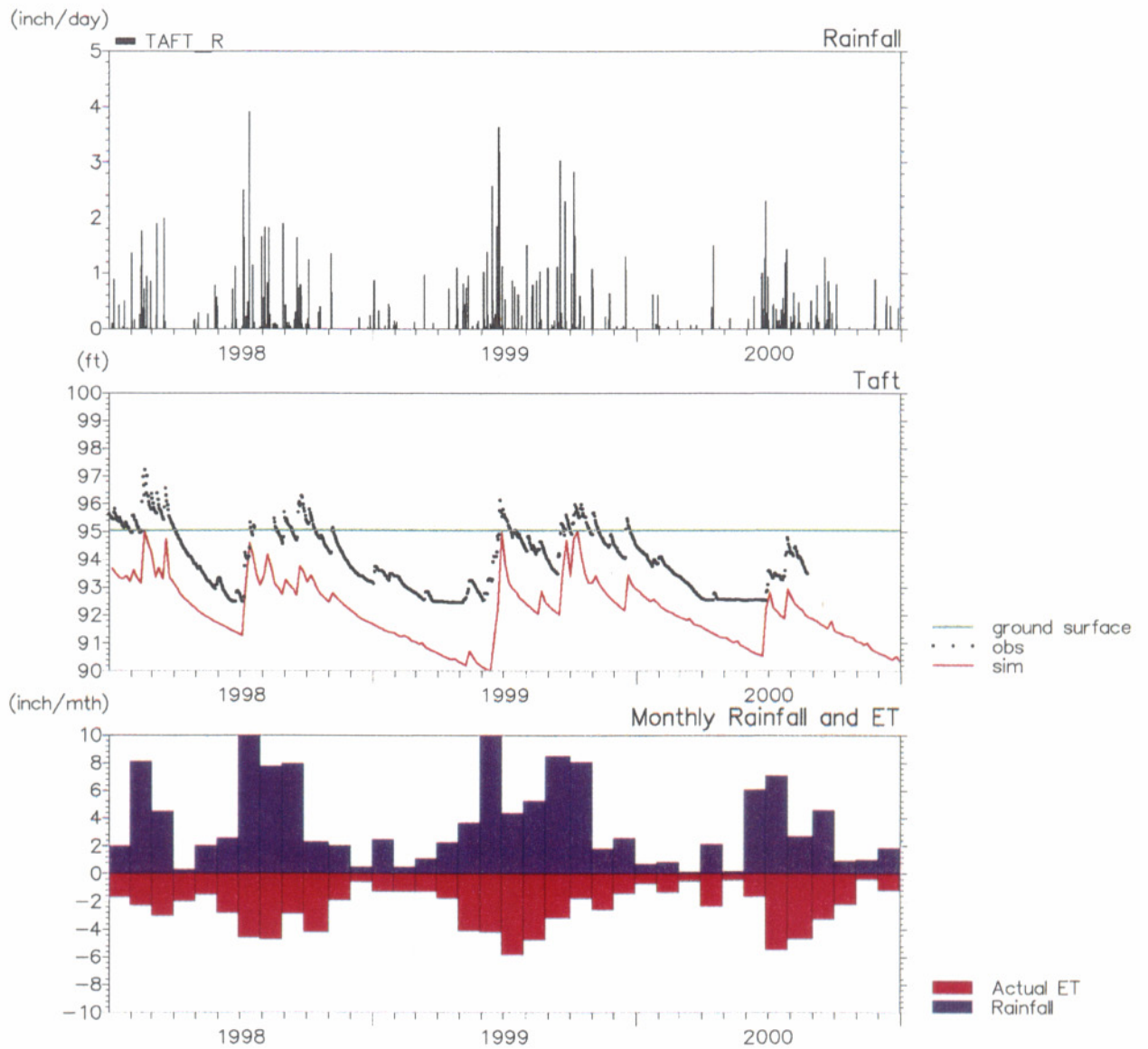


Figure 2-27 Simulated and Observed Groundwater Level at Taft

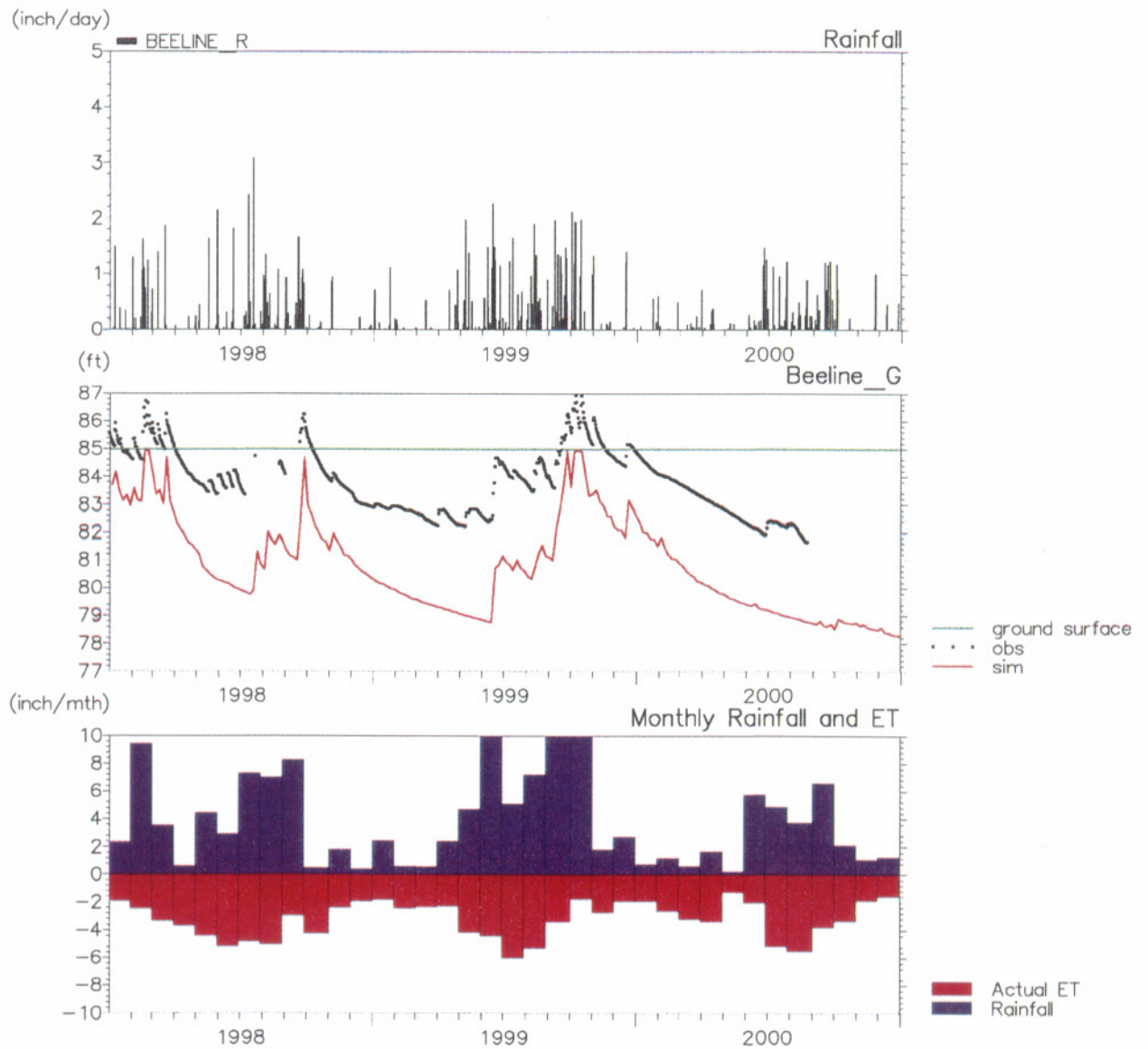


Figure 2-28 Simulated and Observed Groundwater Level at Beeline

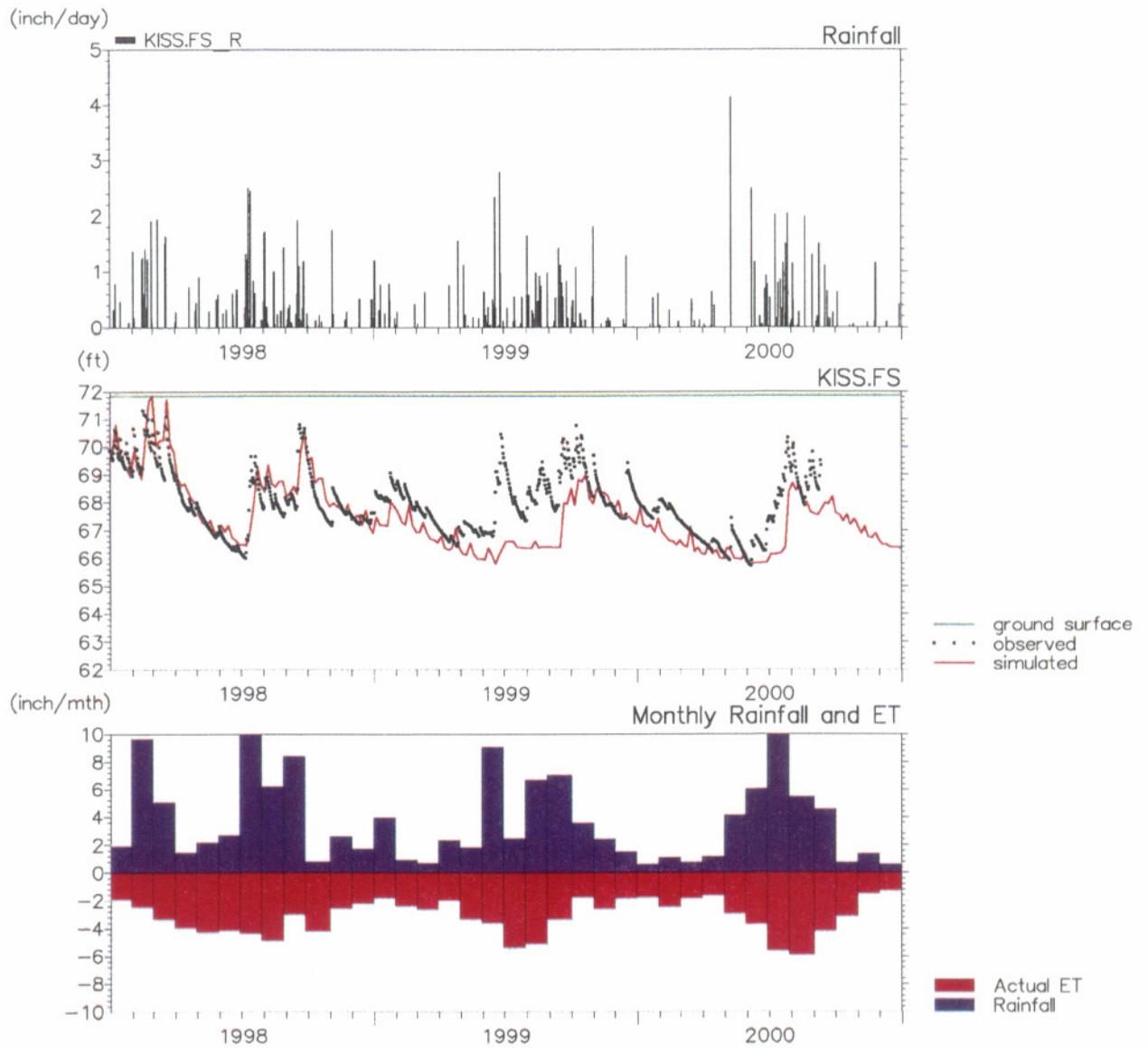


Figure 2-29 Simulated and Observed Groundwater Level at Kiss.FS2

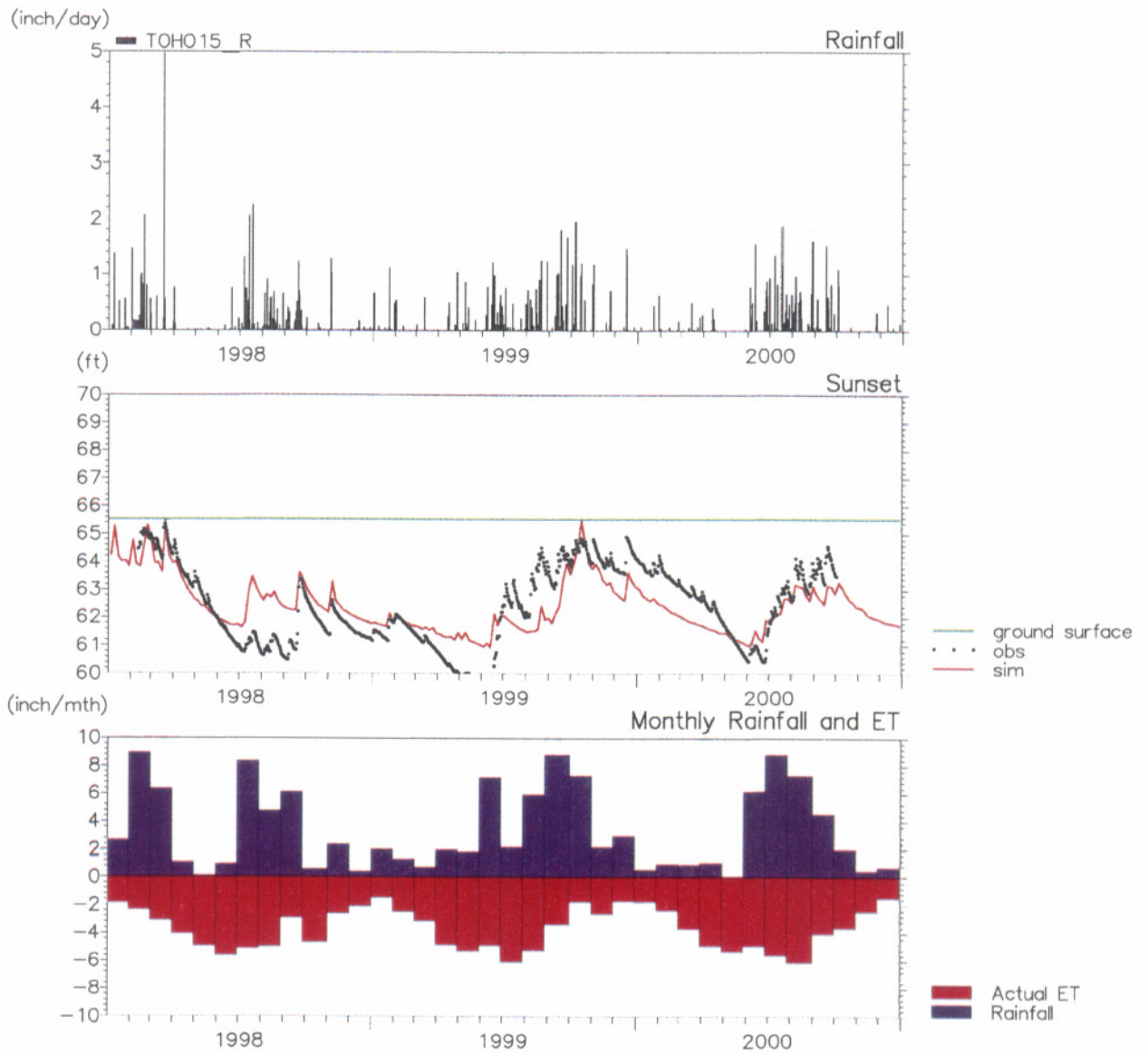


Figure 2-30 Simulated and Observed Groundwater Level at Sunset

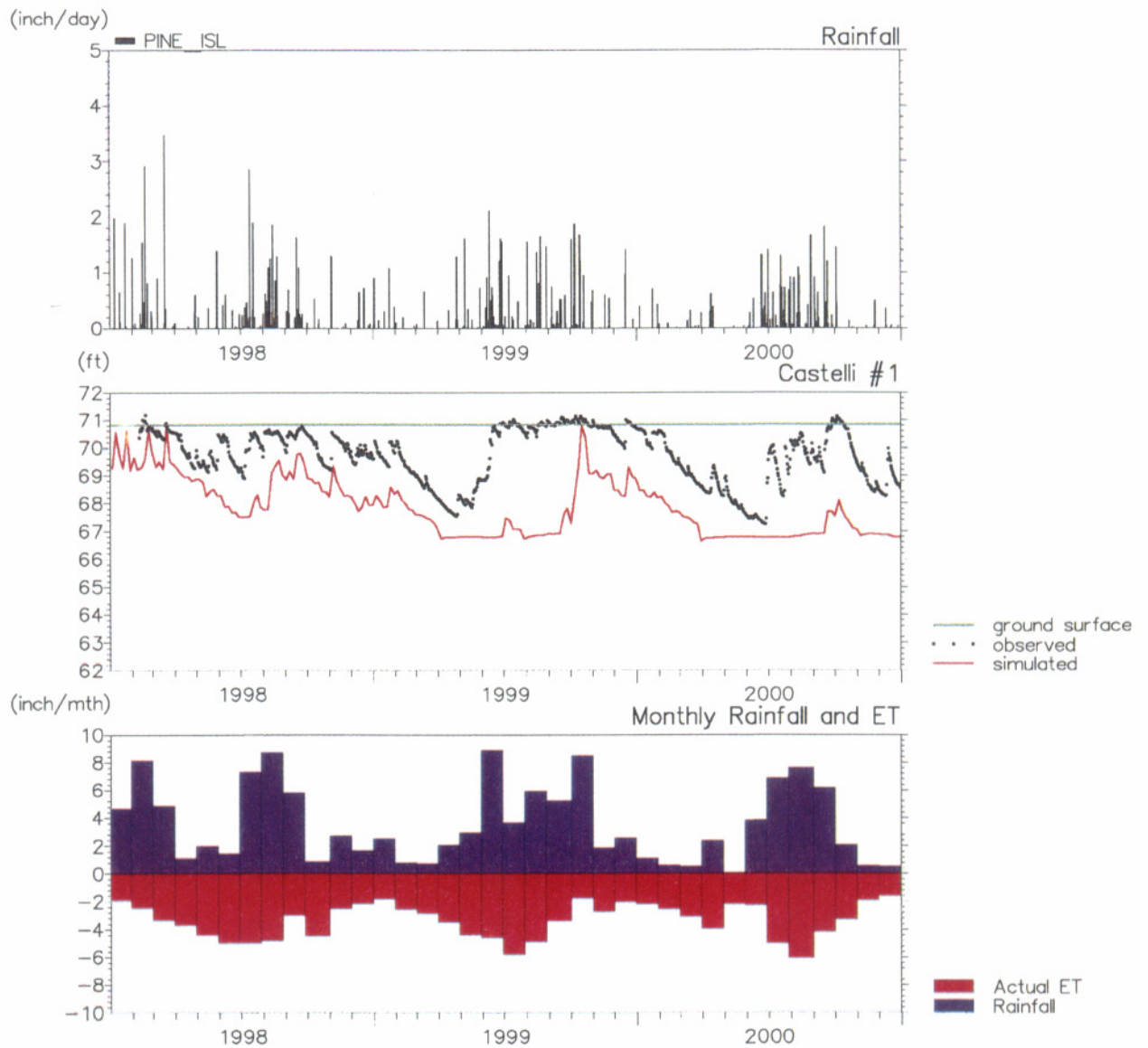


Figure 2-31 Simulated and Observed Groundwater Table at Castell #1

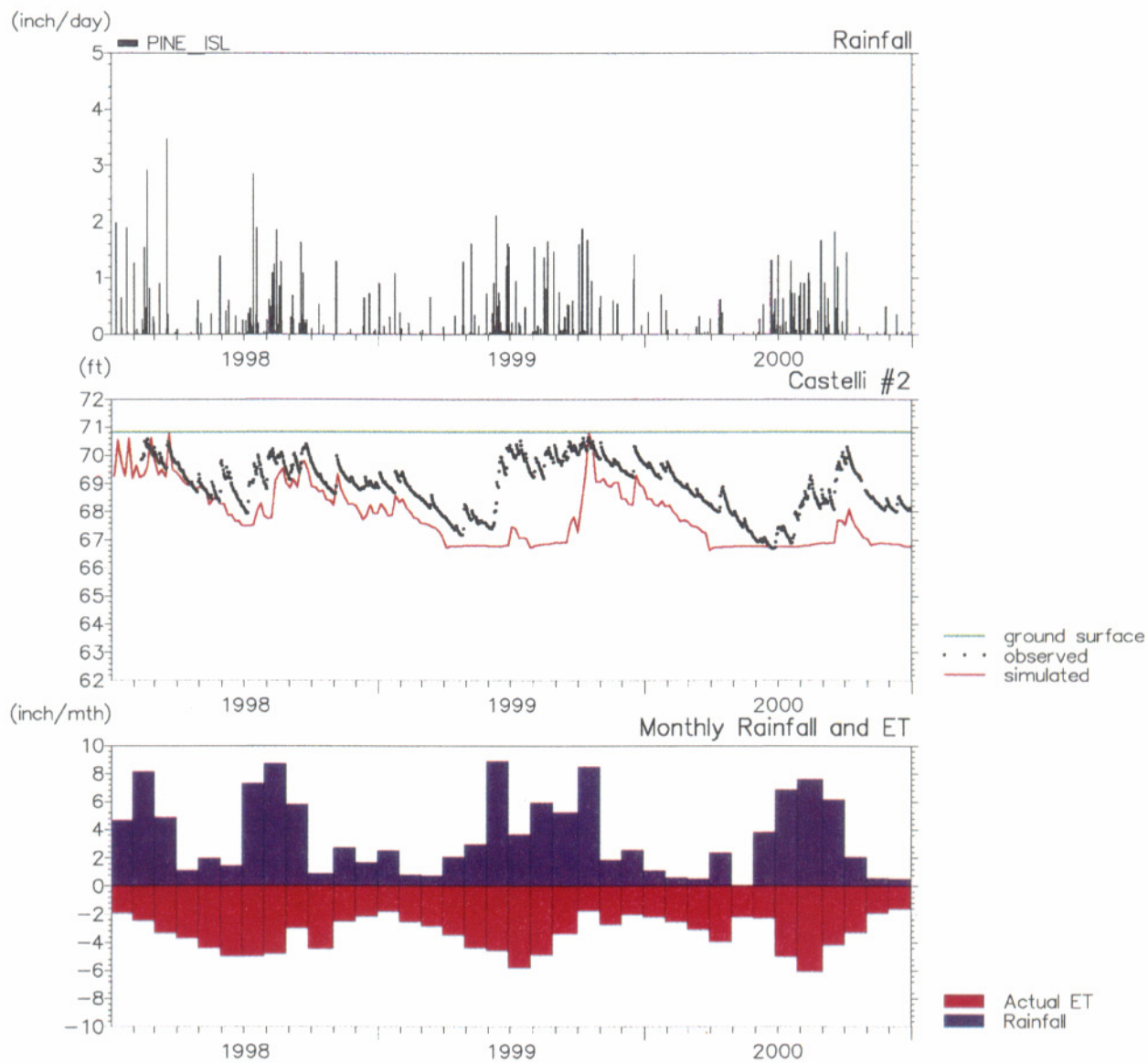


Figure 2-32 Simulated and Observed Groundwater Table at Castelli #2

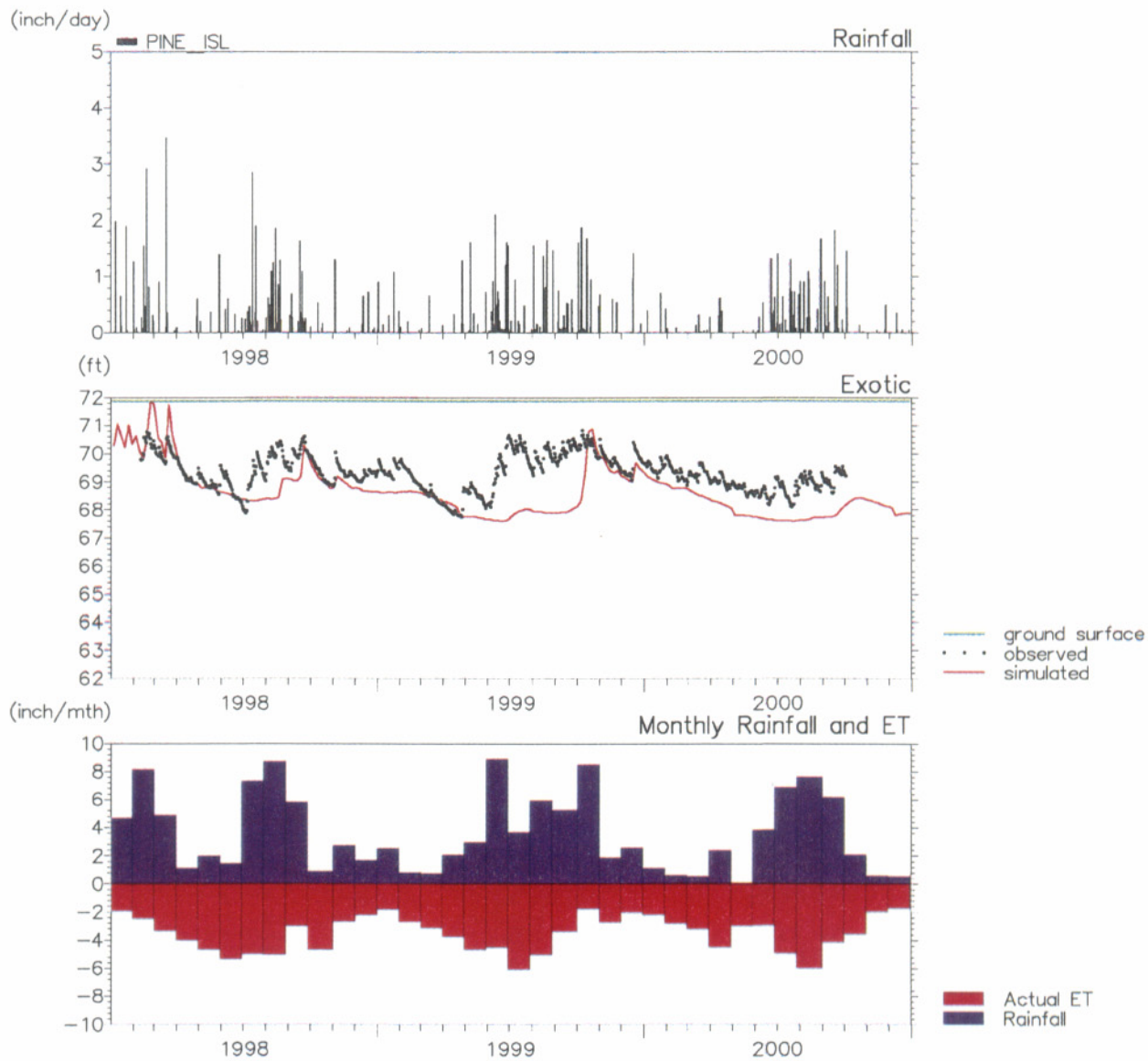


Figure 2-33 Simulated and Observed Groundwater Table at Exotic.

## 2.1.2 Surface Water

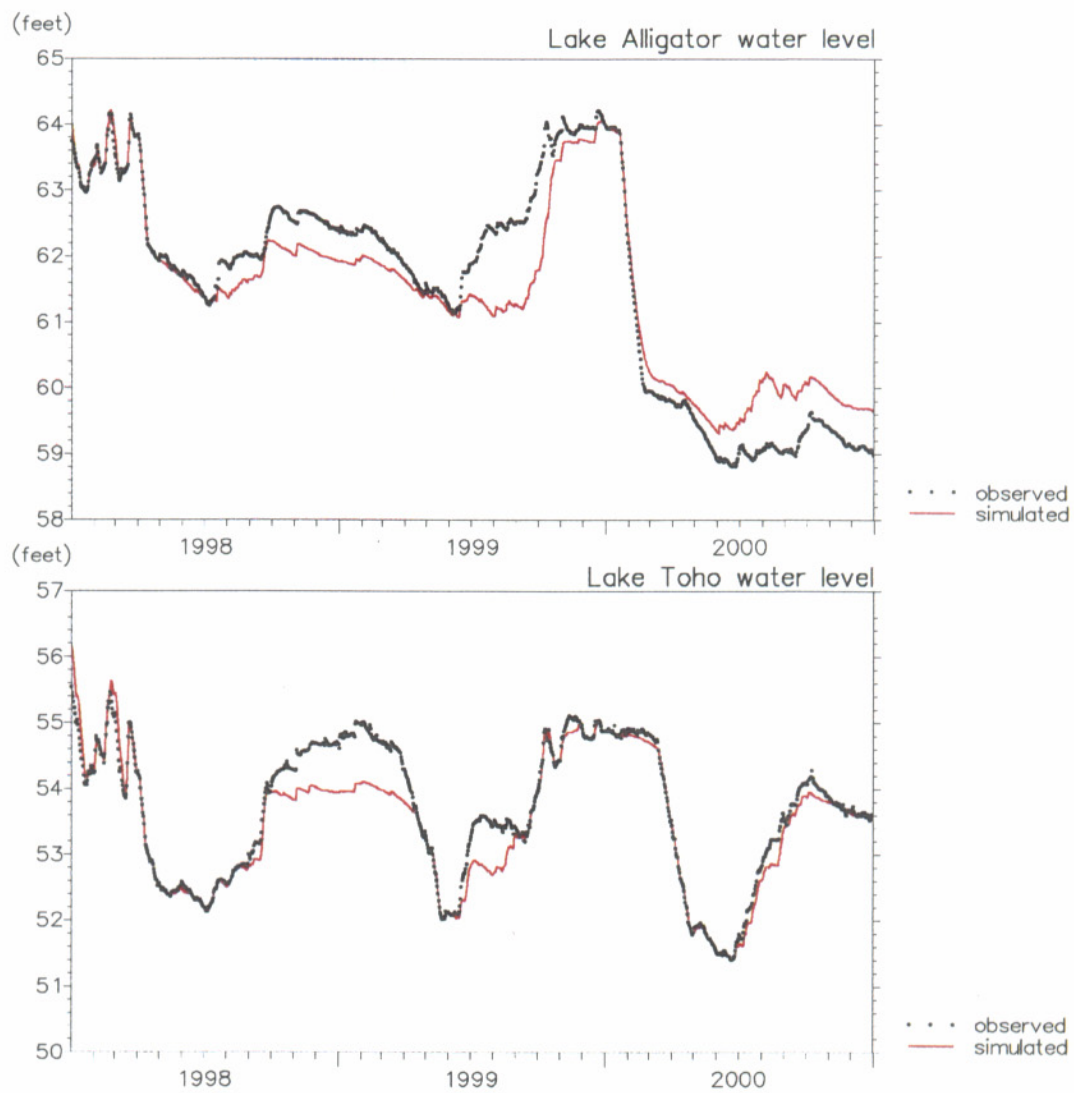


Figure 2-34 Simulated and Observed Water Level in Lake Toho and Alligator Lake

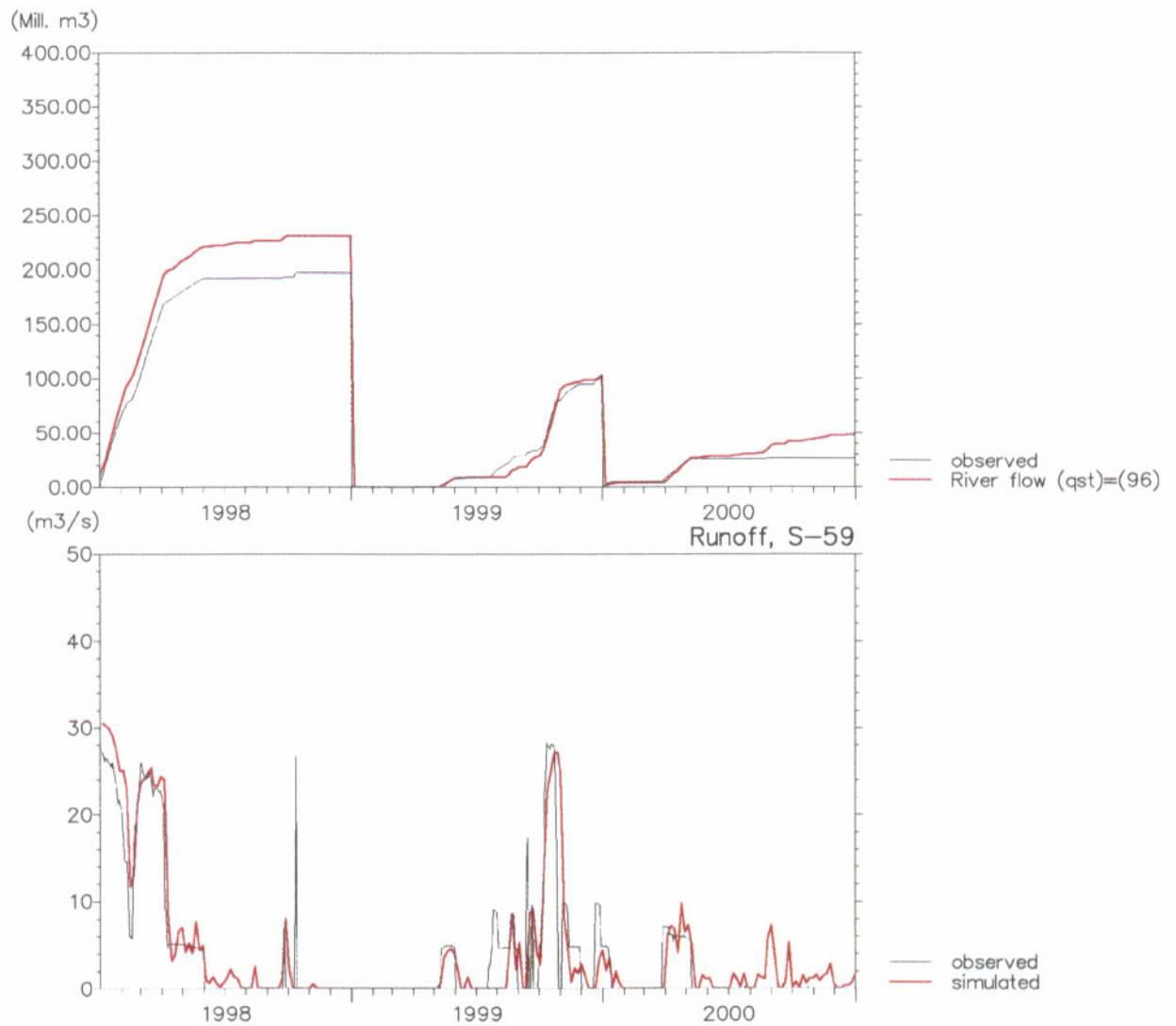


Figure 2-35 Simulated and Observed Runoff at S-59

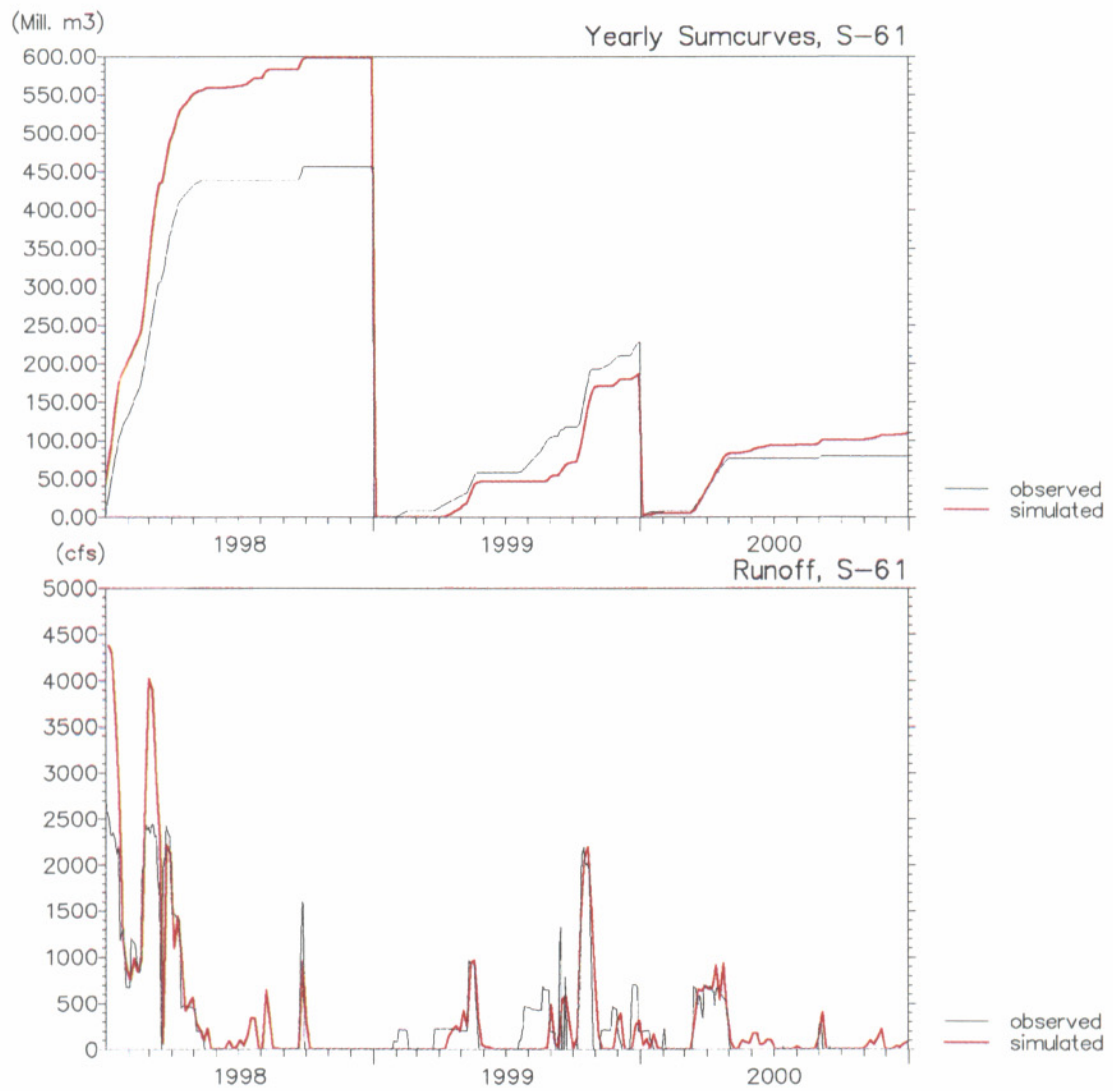


Figure 2-36 Simulated and Observed Runoff at S-61

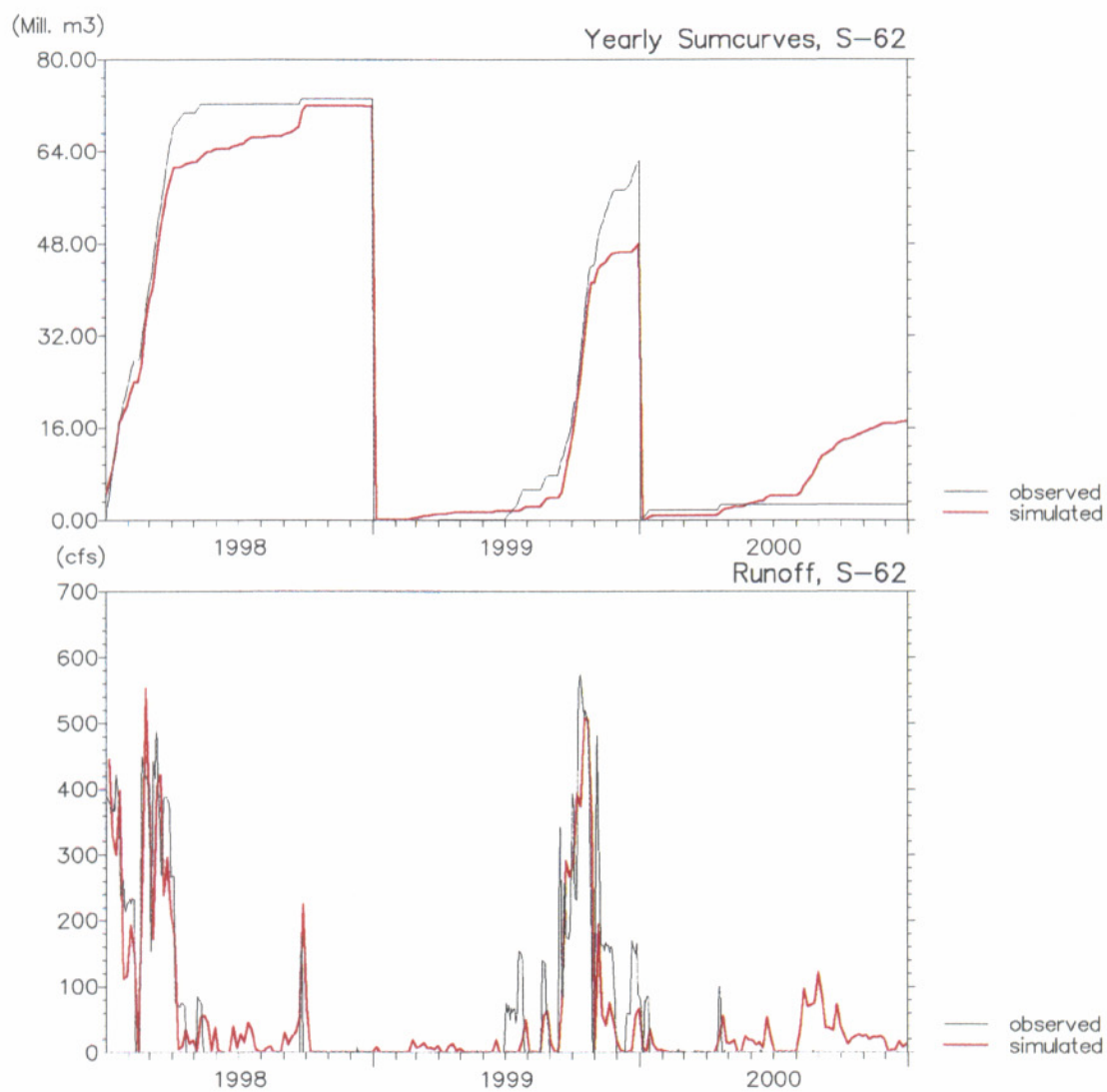


Figure 2-37 Simulated and Observed Runoff at S-62

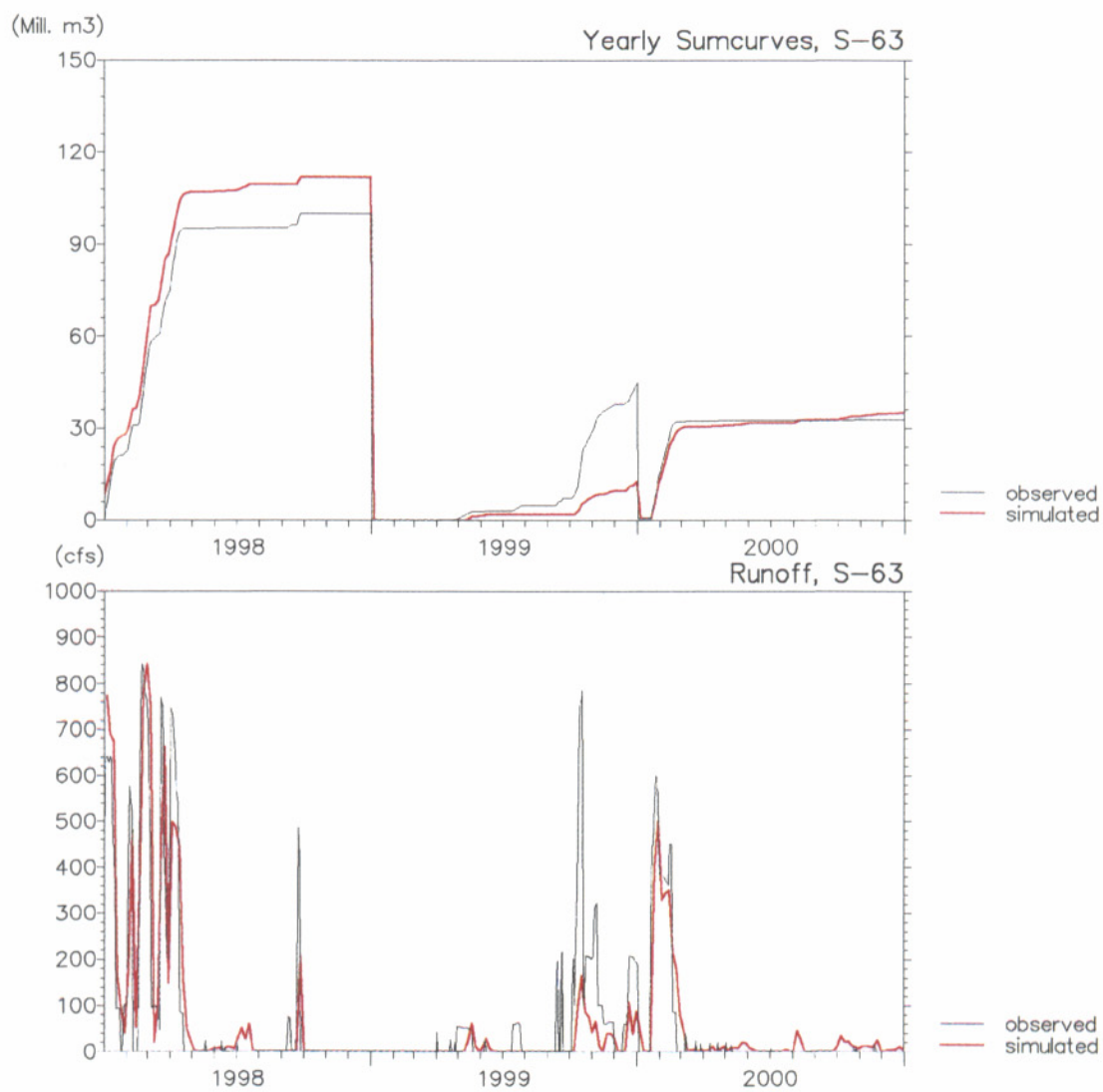


Figure 2-38 Simulated and Observed Runoff at S-63

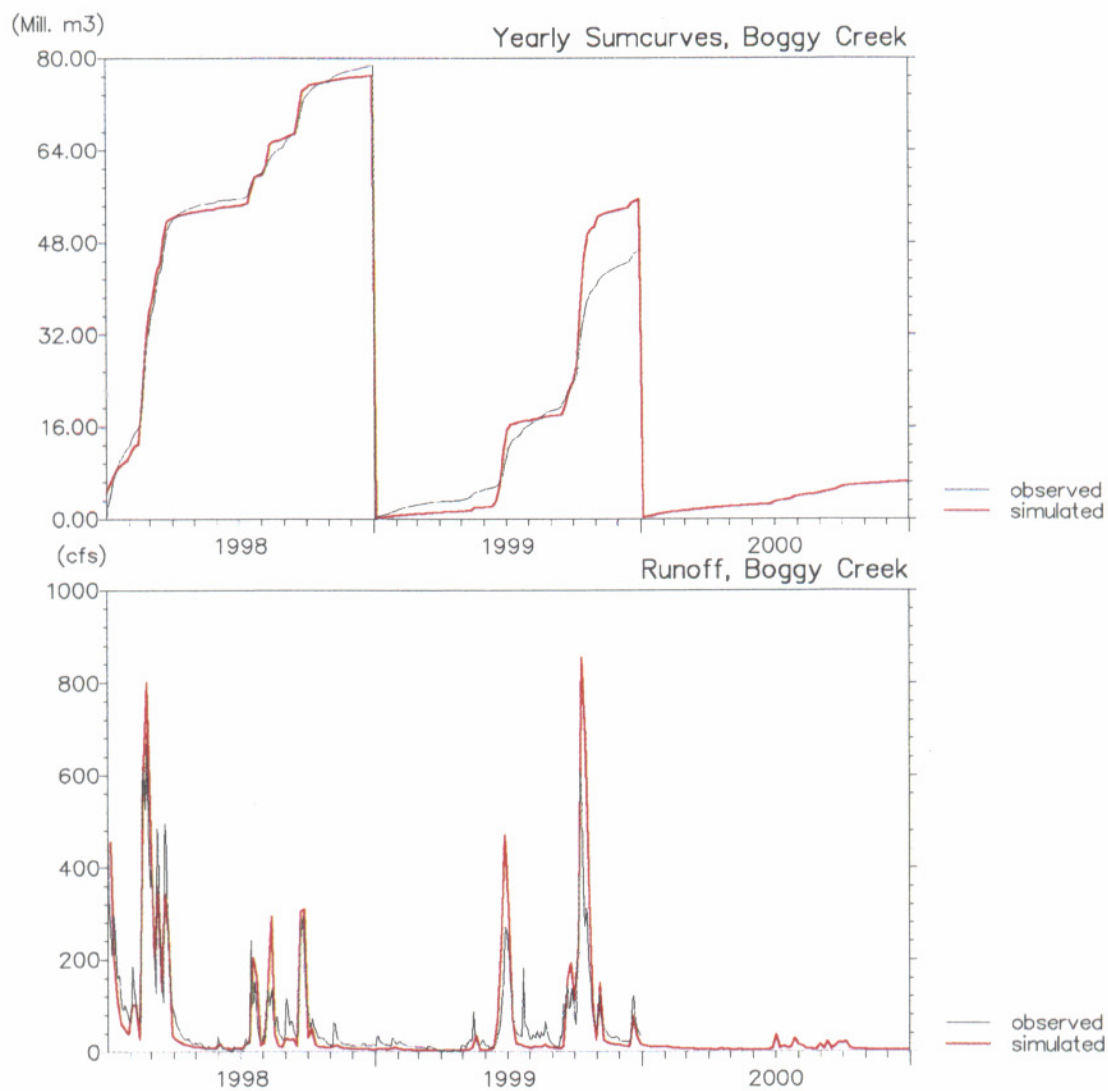


Figure 2-39 Simulated and Observed Runoff from Boggy Creek

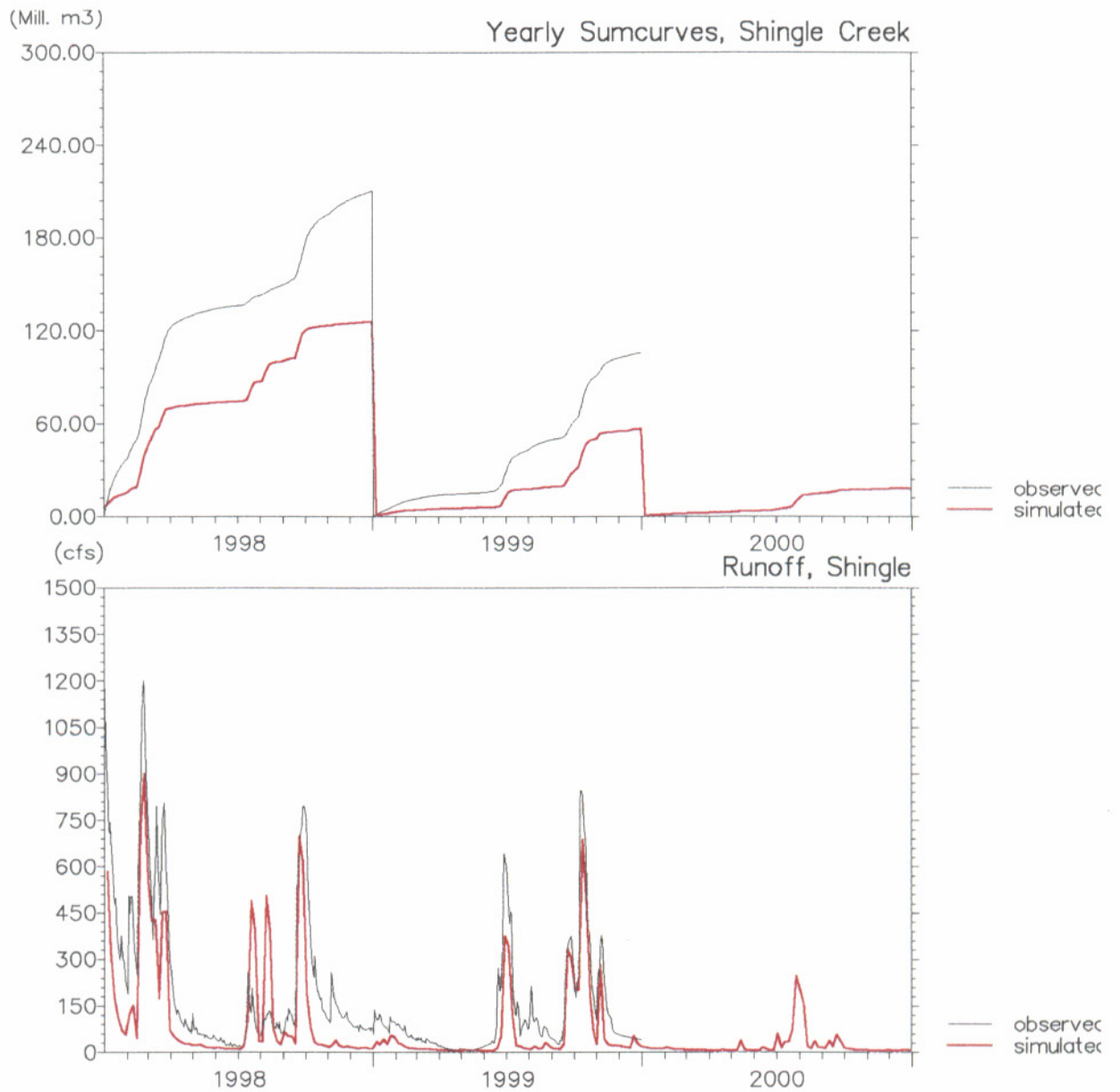


Figure 2-40 Simulated and Observed Runoff in Shingle Creek

## 2.2 Model validation

### 2.2.1 Groundwater

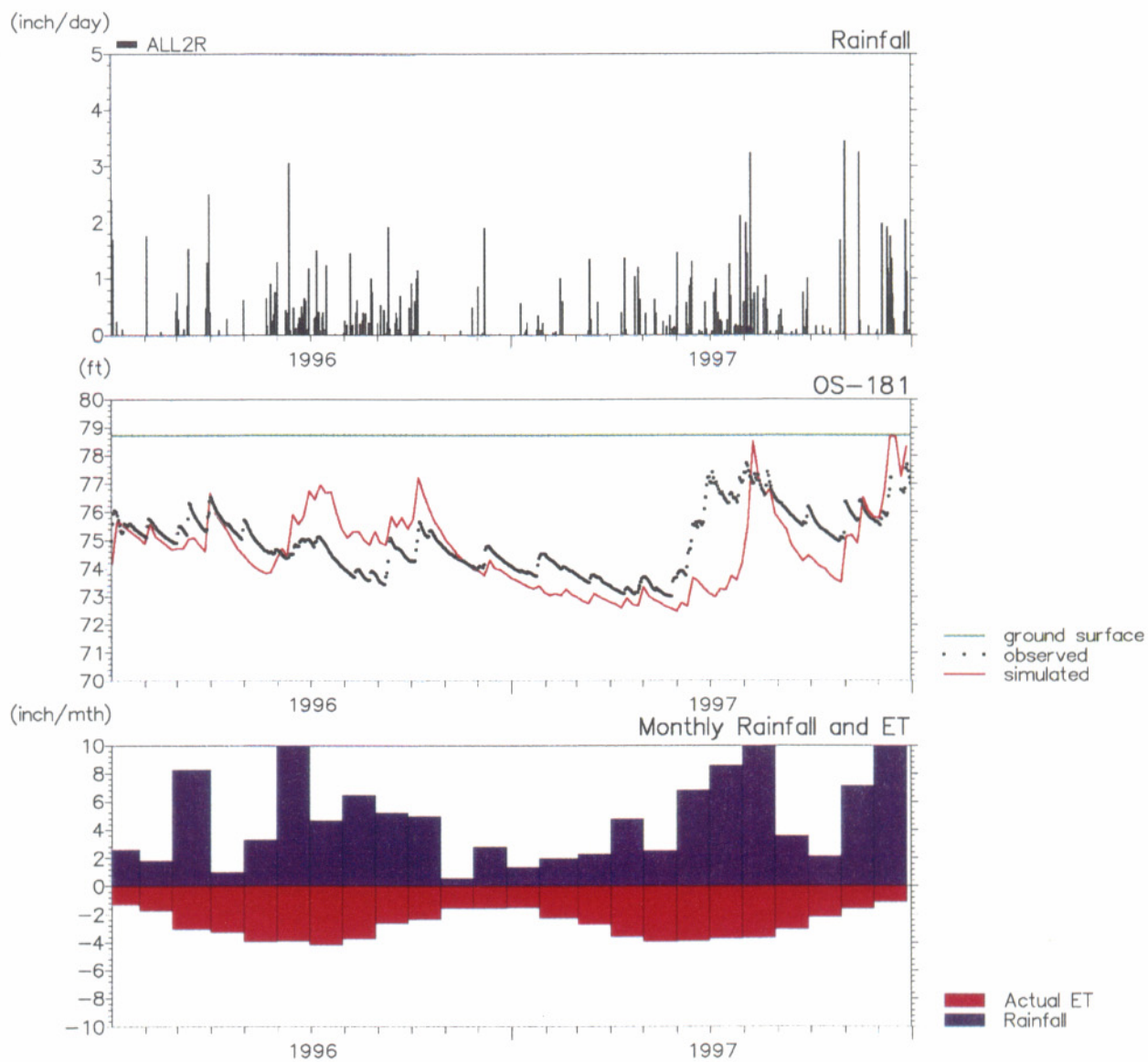


Figure 2-41 Simulated and Observed Groundwater Level at OS-181

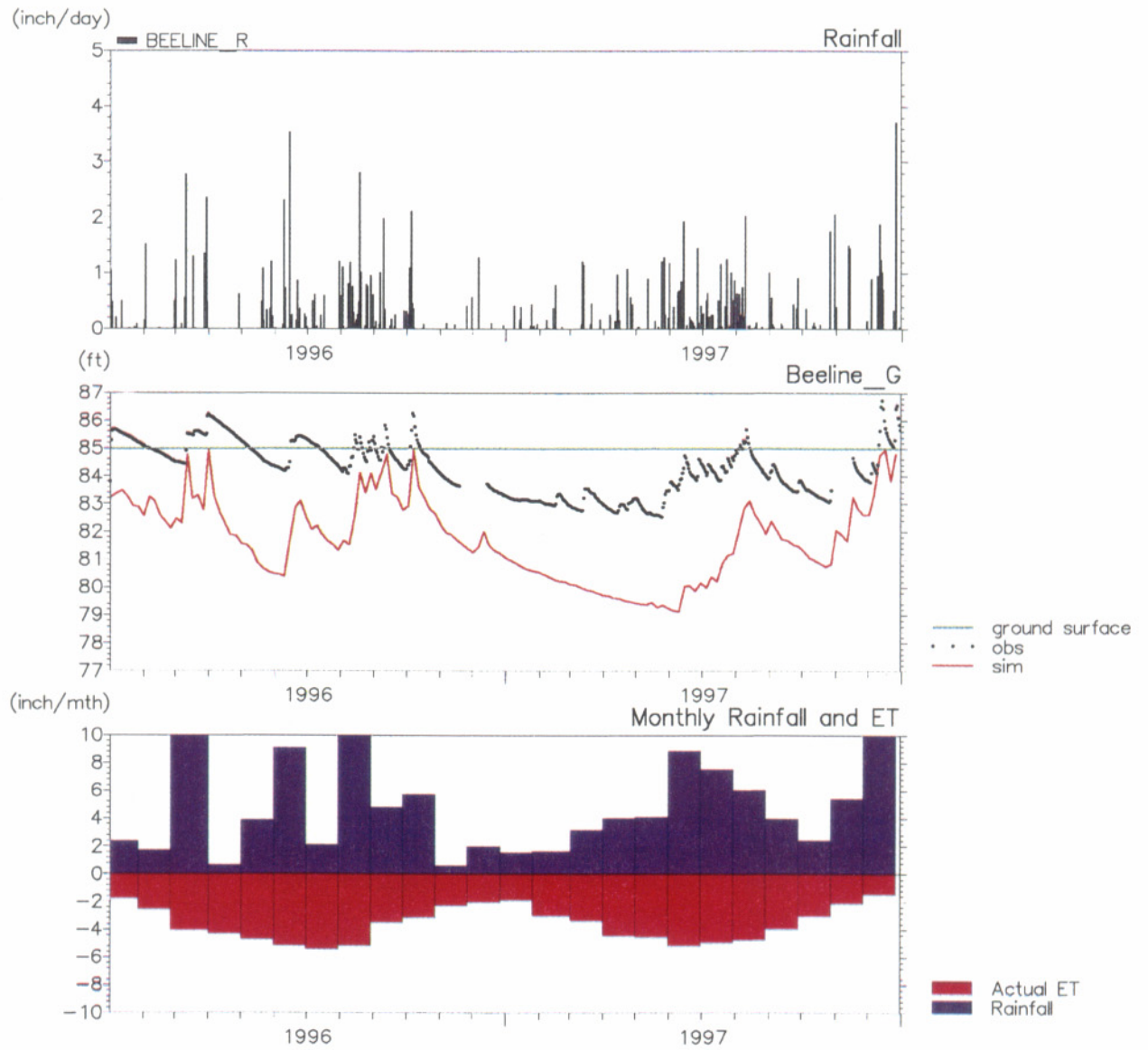


Figure 2-42 Simulated and Observed Groundwater Level at Beeling

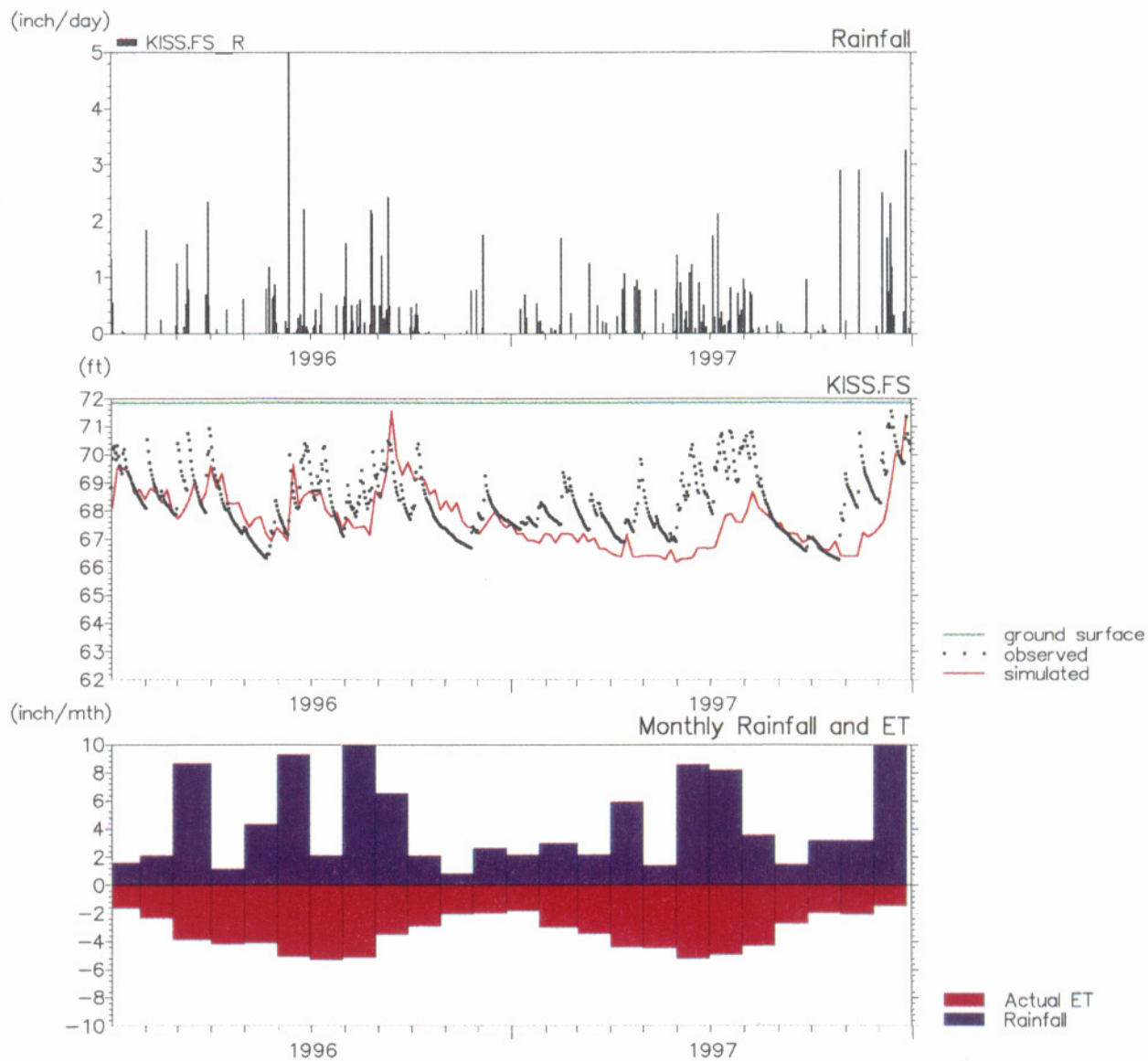


Figure 2-43 Simulated and Observed Groundwater Level at Kiss.FS

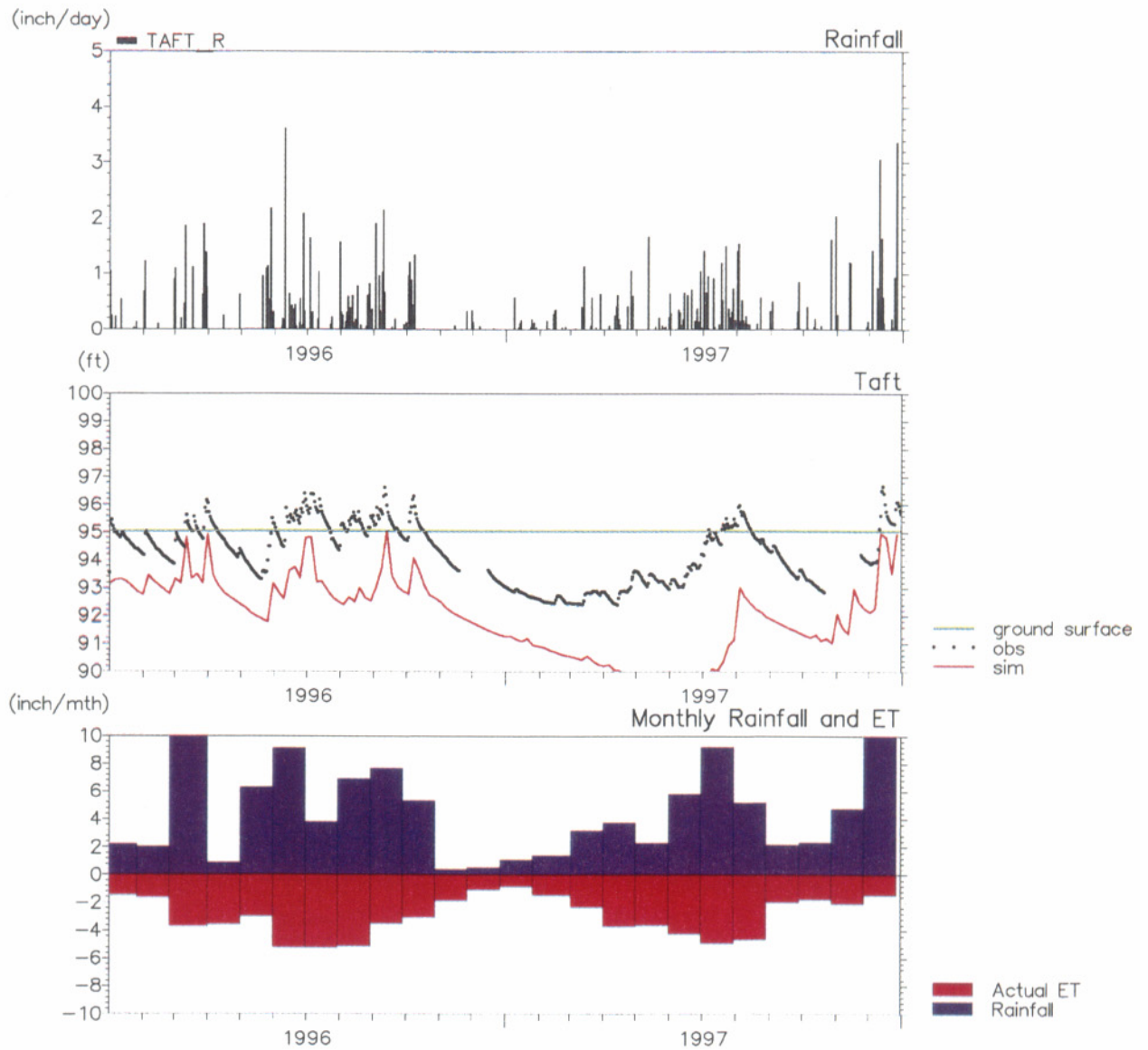


Figure 2-44 Simulated and Observed Groundwater Level at Taft

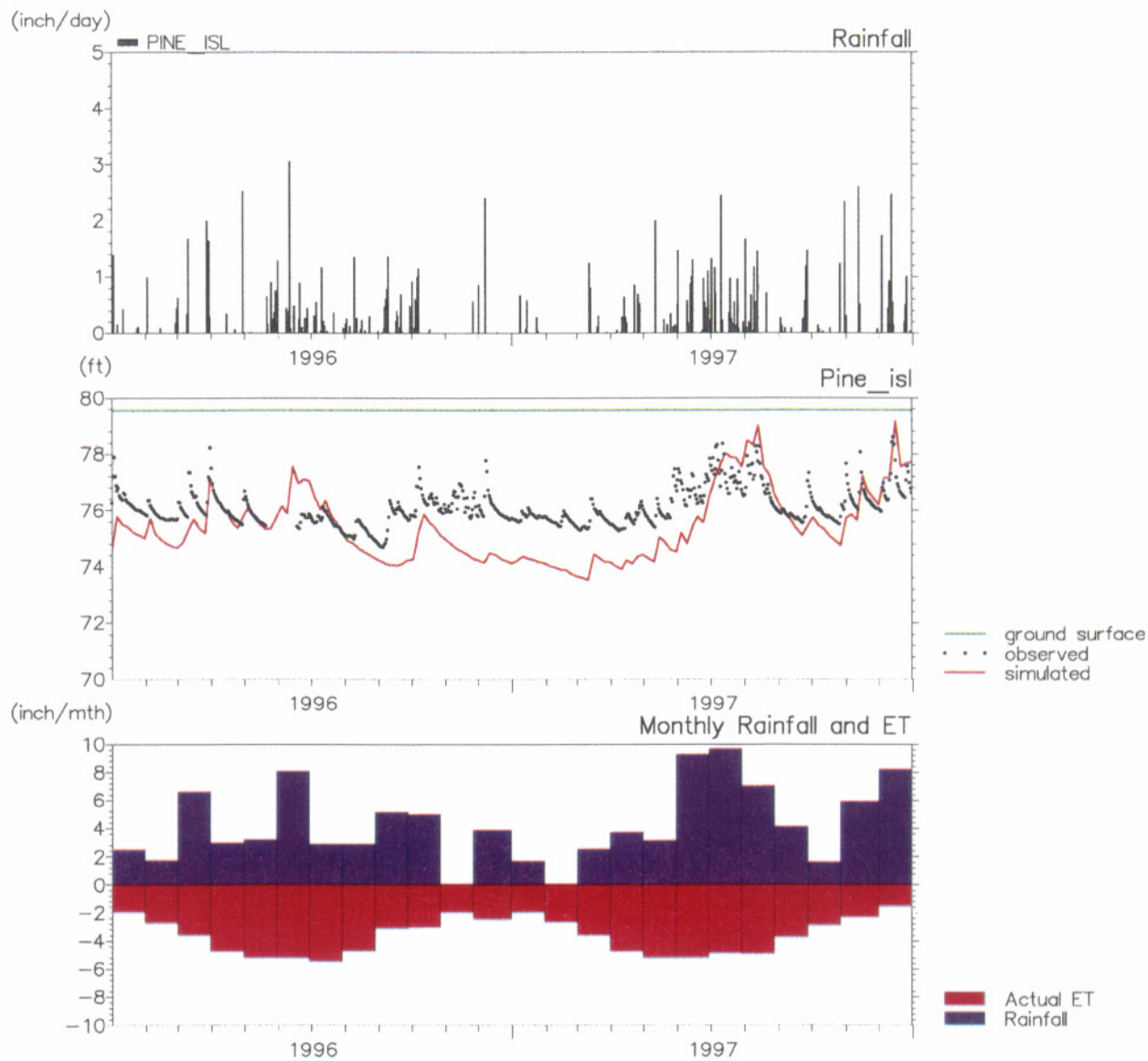


Figure 2-45 Simulated and Observed Groundwater Level at Pine Island

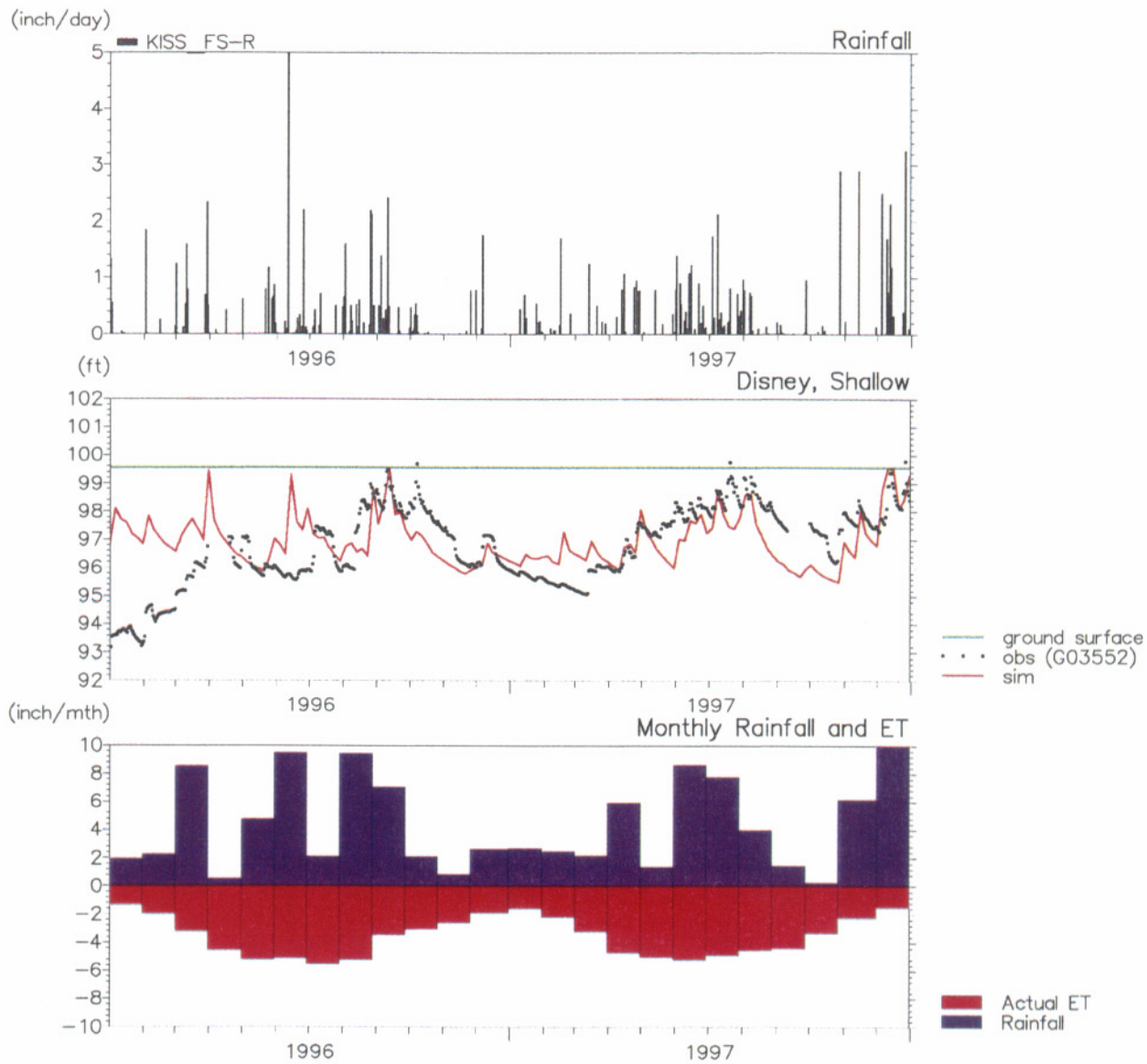


Figure 2-46 Simulated and Observed Groundwater Level at Disney

## 2.2.2 Surface Water

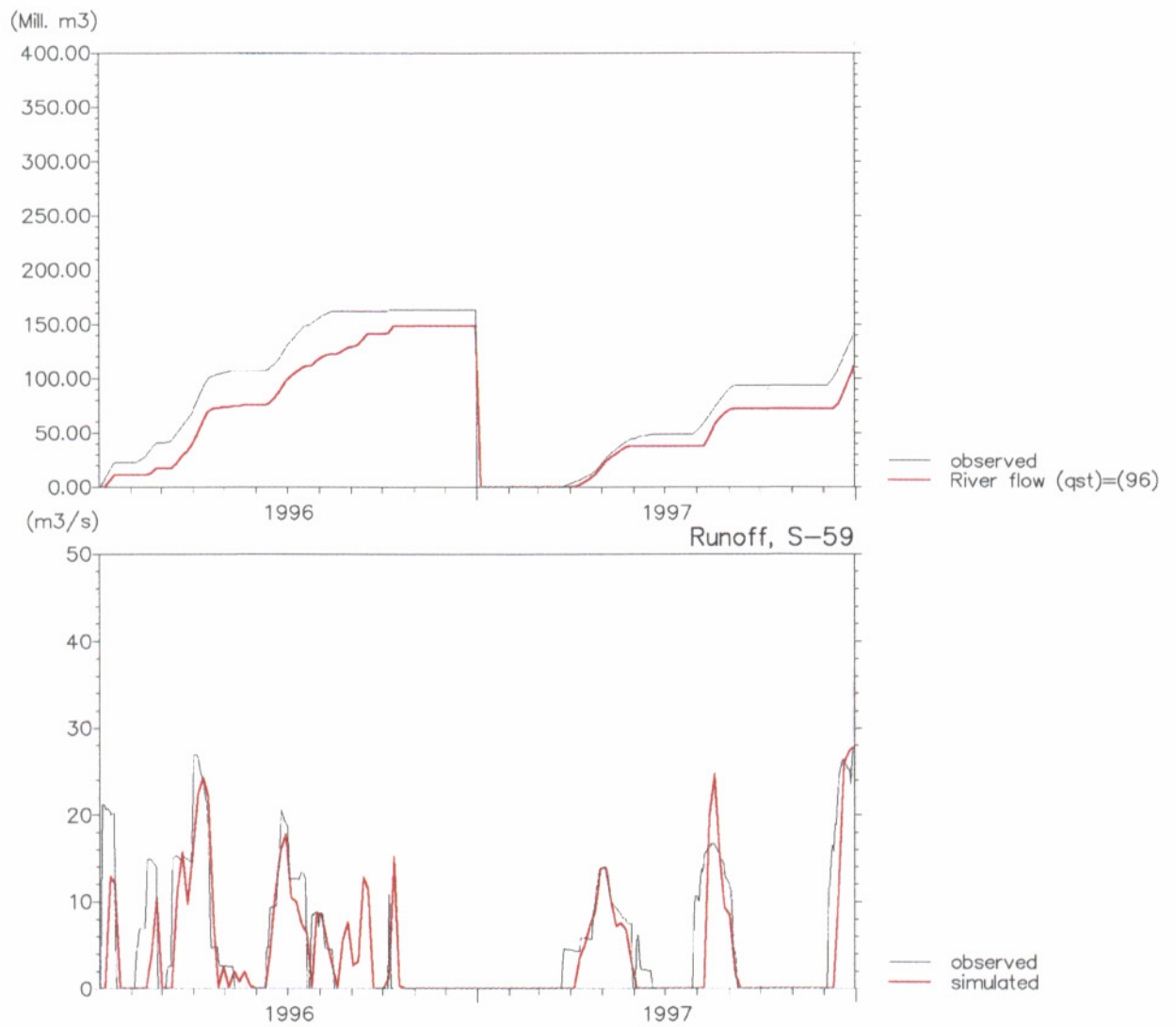


Figure 2-47 Simulated and Observed Runoff at S-59

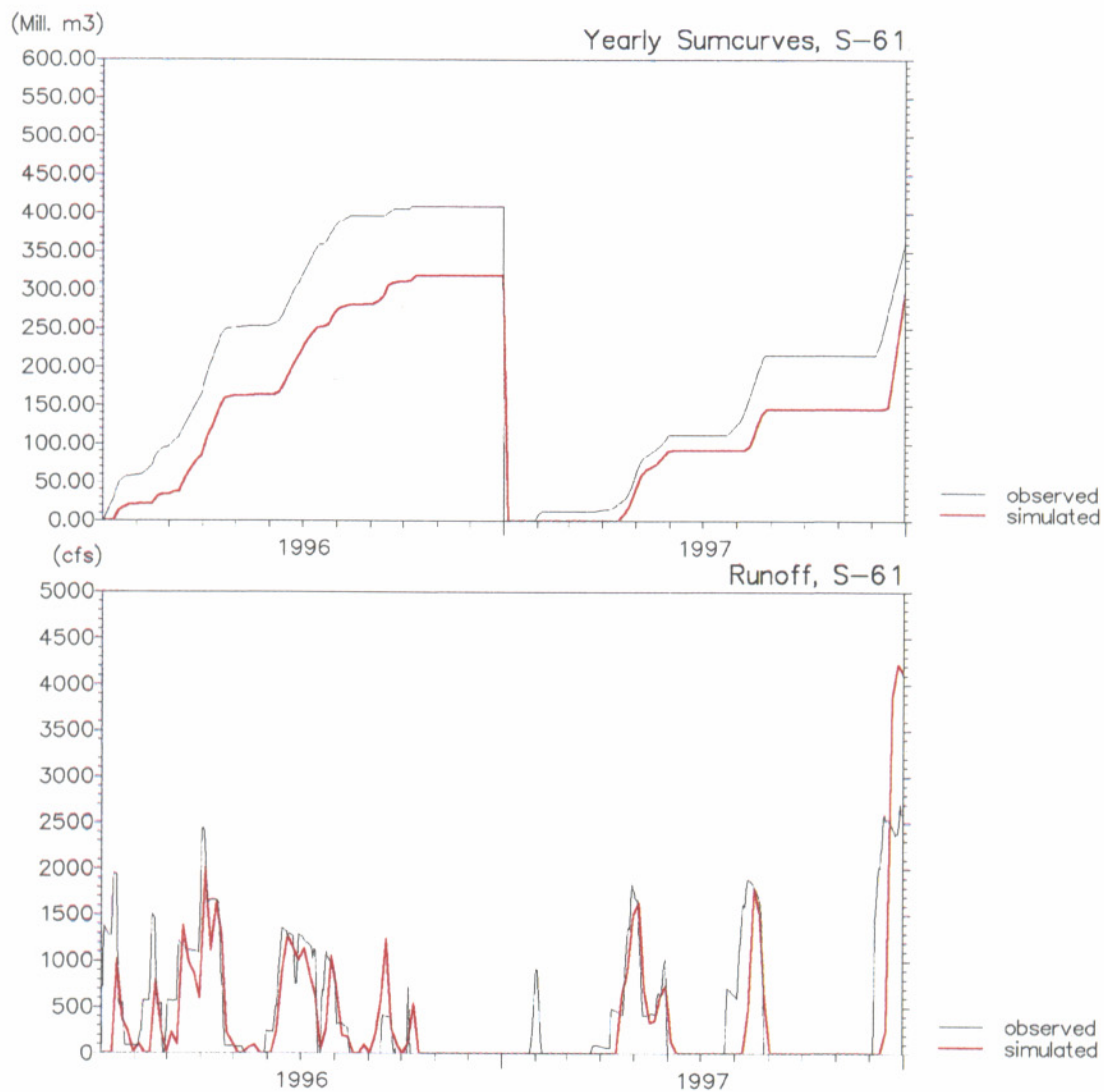


Figure 2-48 Simulated and Observed Runoff at S-61

### 3 LOCAL MODEL

#### 3.1 Model Calibration

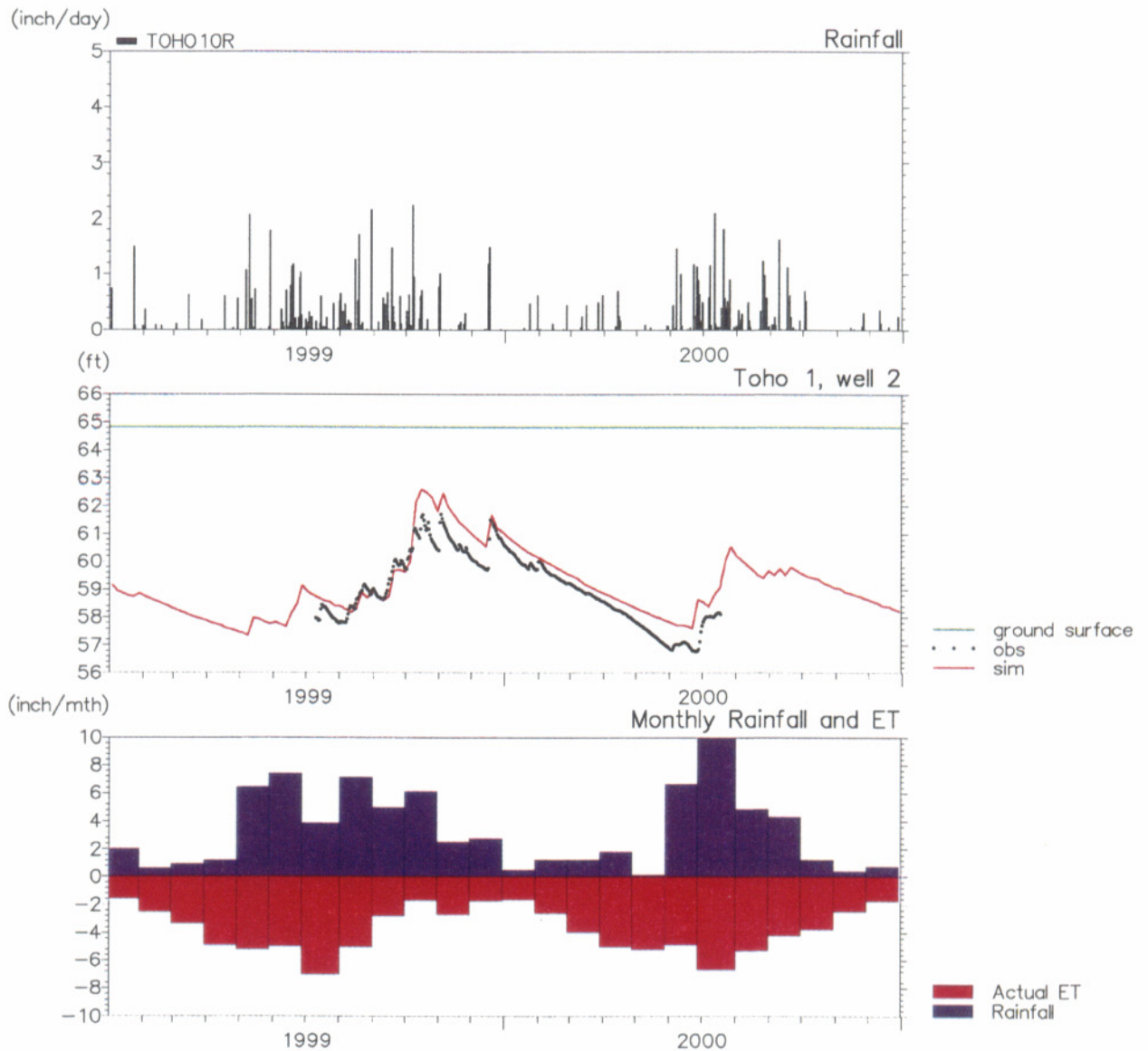


Figure 3-1 Simulated and Observed Groundwater Level at Toho 1

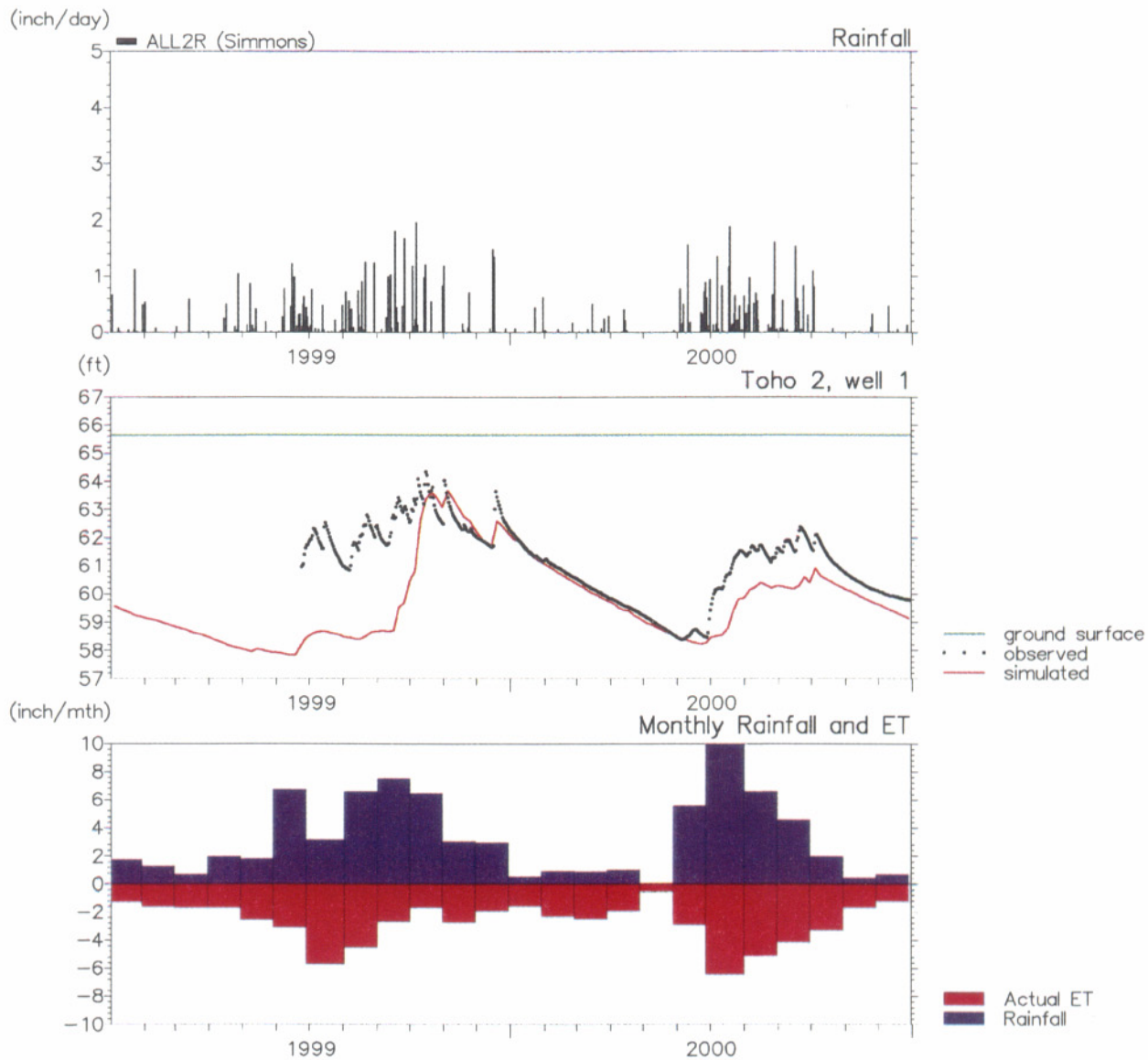


Figure 3-2 Simulated and Observed Groundwater Level at Toho 2

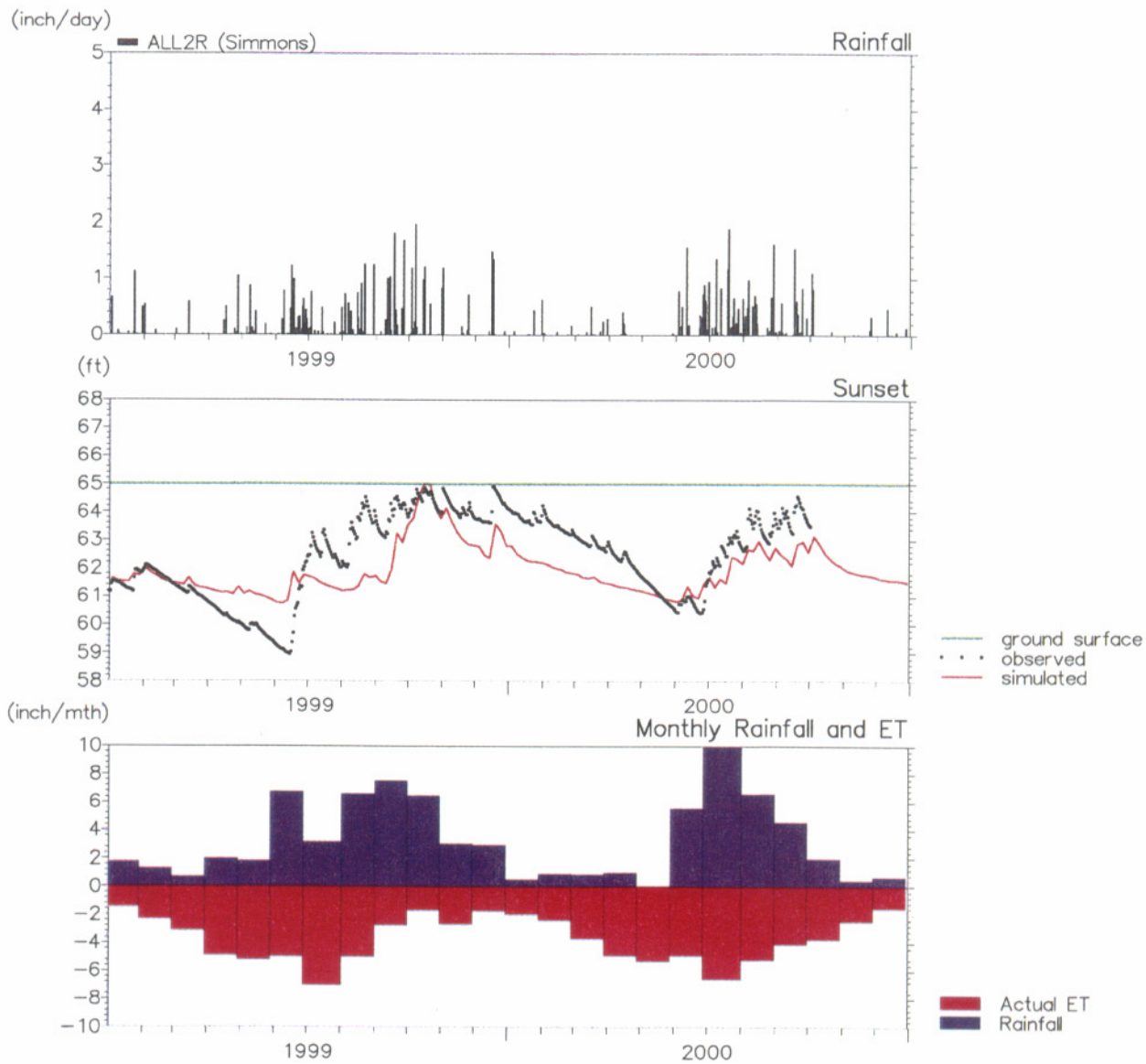


Figure 3-3 Simulated and Observed Groundwater Level at Sunset

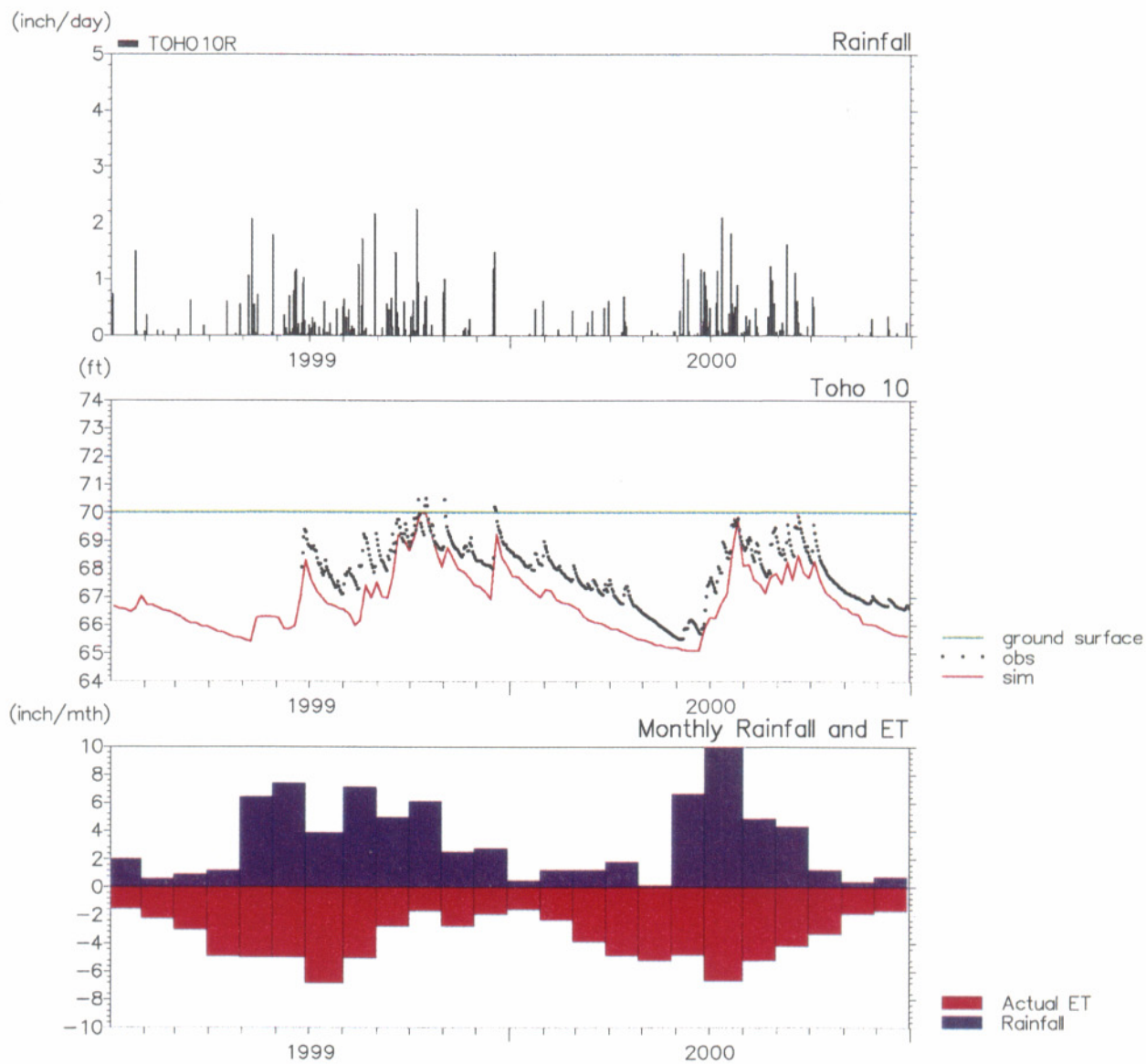


Figure 3-4 Simulated and Observed Groundwater Level at Toho 10

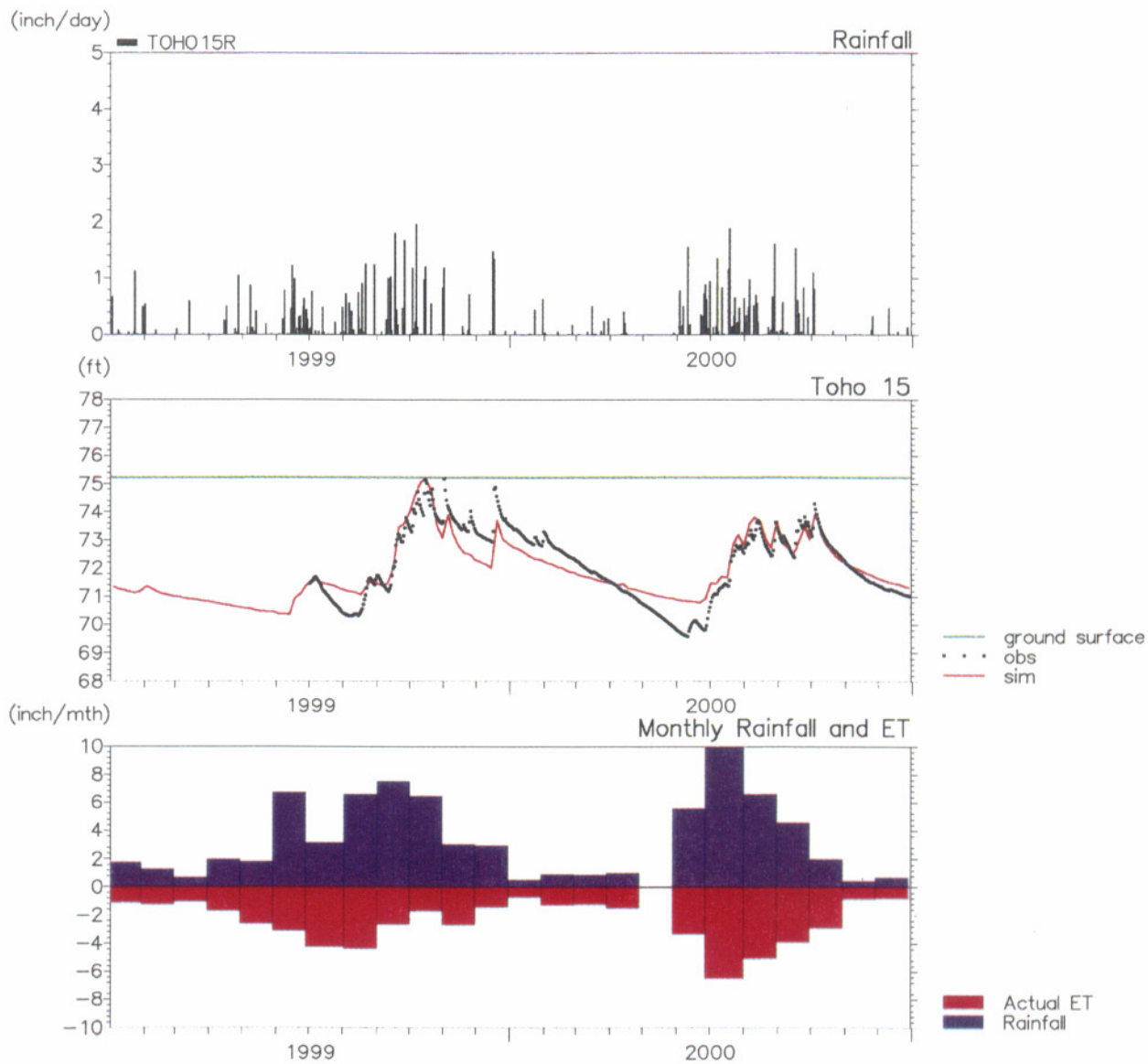


Figure 3-5 Simulated and Observed Groundwater Level at Toho 15

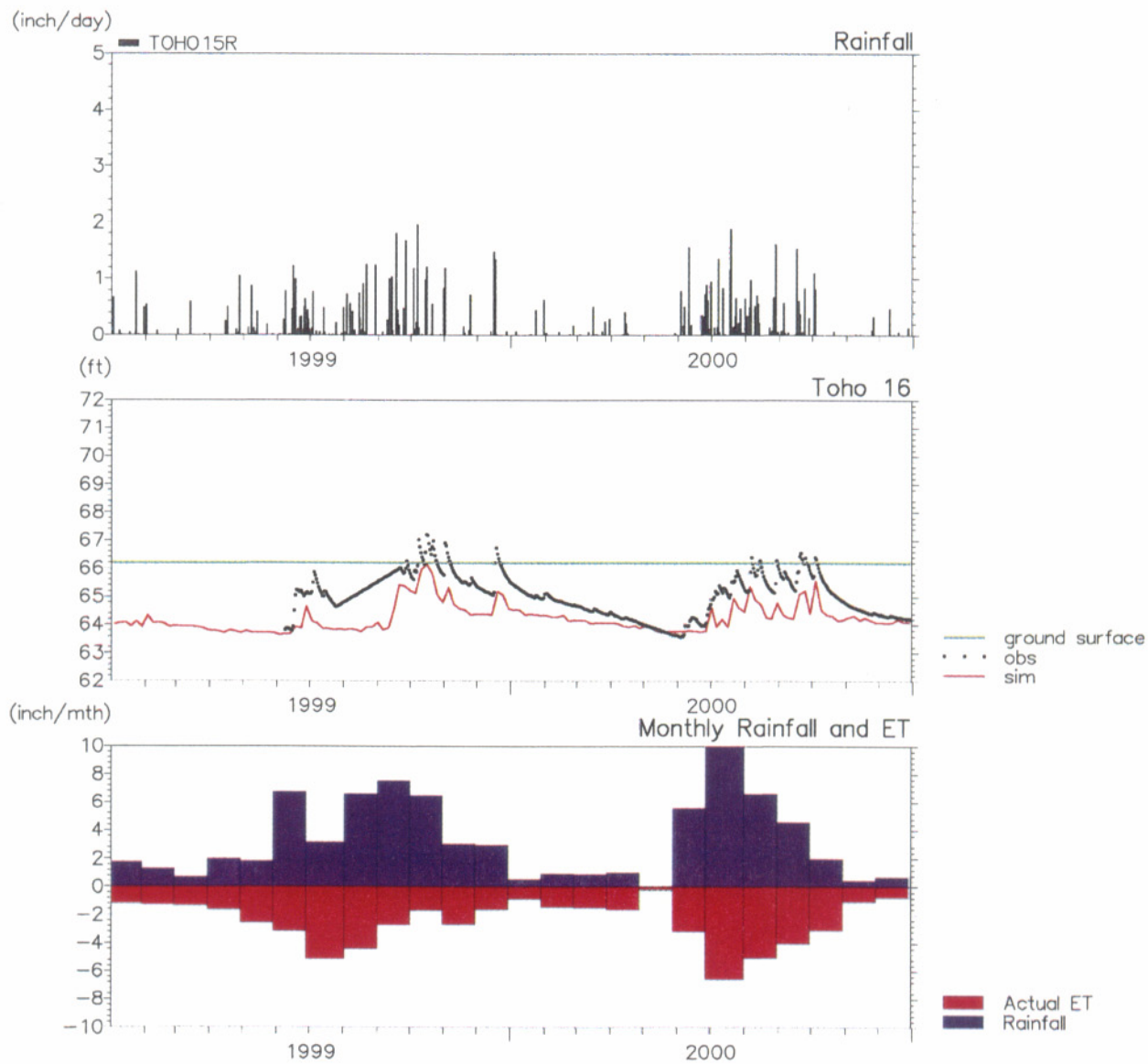


Figure 3-6 Simulated and Observed Groundwater Level at Toho 16

## 4 DATA AND PROGRAMS USED DURING MODEL CALIBRATION AND VALIDATION

Table 1 List of Data Files and Programs Used during the Model Calibration Phase

Description	Data File on Project CD-rom	Comments/file type
Plot files for groundwater calibration plots	PLOT/{well name}.plt	ASCII input files for MIKE SHE plotting program
Template files for water balance program	MACRO/*.wbl	ASCII input files for MIKE SHE water balance program
Template files for calibration statistics program	MACRO/*.cbs	ASCII input files for MIKE SHE water balance program
MIKE SHE simulation files	{simulation id}.fsf	Flow Setup Files for MIKE SHE simulations
Plot files for surface water calibration plots	PLOT/{station name}.plt	